



SOREDE



深圳市索瑞达电子有限公司
SHENZHEN SOREDE ELECTRONICS CO.,LTD

◆公司简介

◆Company profile

深圳市索瑞达电子有限公司创建于 2007 年，是一家致力于贴片功率电感、插件工字电感、磁环电感系列被动元件的研发、生产与销售为一体的创新型企业。公司逐步发展成立索瑞德香港电子公司、扬州索瑞德电子有限公司，现厂房总面积 5800 平方米,员工 260 多人。

2014 年索瑞达电子通过 ISO9001 体系认证。2019 年 7 月份已顺利通过 IATF16949 汽车电子认证和 OHSAS18001 职业健康安全管理体系认证。

索瑞达电子经过这十多年的努力，不断增加自动化生产设备，购置行业领先的过程质量检测仪器。2019 年初筹建实验室，现有购置 IR 炉、高低温冷热冲击、盐雾试验、跌落试验、汽车电子振动试验设备。

发展中的索瑞达不断的进行产品技术的更新，将以快速的节奏面对日益更新的市场需求。在数字化时代的今天，我们将以“主动、创新、专注、诚信、利他”为原则，与客户共创辉煌的明天。

Shenzhen SOREDE Electronics Co., Ltd., founded in 2007, is an innovative enterprise dedicated to the research, development, production and sales of patch power inductor, plug-in I-type inductor and magnetic ring inductor series passive components. The company has gradually developed and established SOREDE Hong Kong Electronics Company and Yangzhou SOREDE Electronics Co., Ltd. with a total plant area of 5800 m² and more than 260 employees.

SOREDE Electronics passed the ISO 9001 system certification in 2014. In July 2019, it passed IATF16949 automobile electronic certification and OHSAS18001 occupational health and safety management system certification.

After more than ten years of efforts, SOREDE Electronics has continuously increased its automation production equipment and purchased leading process quality testing instruments. In early 2019, the laboratory will be constructed, and the existing equipment for IR furnace, high and low temperature cold and hot shock, salt spray test, drop test and automotive electronic vibration test will be purchased.

The developing SOREDE is constantly updating their product technology, and will face the increasingly updated market demand at a fast pace. In the digital age today, we will take "initiative, innovation, focus, integrity, altruism" as the principle to create a brilliant tomorrow with our customers.



企业文化 Corporate culture

愿 景：成为全球一流的电感新品牌供应商。

使 命：推动电子行业发展，让客户体验更多快乐。

价值观：主动、创新、专注、诚信、利他。

定 位：消费类电子产品电感的专业供应商。



OHSAS18001

IATF16949

ISO9001

SOREDE Specifications subject to change without notice.

索 瑞 達 電 子 Shenzhen SOREDE electronics co., LTD Tel: 0755-29803358 Fax: 0755-29803506 www.szsorede.com

◆公司产品 SGS

◆Company product SGS



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申请单位 深圳市索瑞达电子有限公司
Applicant SHENZHEN SOREDE ELECTRONICS CO.,LTD

地址 深圳市观澜镇福城街道新塘村8号源创园陆号A6栋3楼

Address 3 FLOOR A6 BUILDING YUAN CHUANG GARDEN 8 XINTANG VILLAGE GUANCHENG TOWN GUANLAN TOWN SHENZHEN

以下测试之样品及样品信息由申请者提供并确认

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

样品名称 功率贴片电感
Sample Name 功率贴片电感
客户参考信息 CD31系列/CD32系列/CD43系列/CD54系列/CD75系列/CD76系列/CD105系
Client Reference CD31系列/CD32系列/CD43系列/CD54系列/CD75系列/CD76系列/CD105系
Information

样品接收日期 2018.11.07
Sample Received Date Nov. 7, 2018
样品检测日期 2018.11.07-2018.11.10
Testing Period Nov. 7, 2018 to Nov. 10, 2018

检测要求

根据客户要求, 对所提交样品中的铅(Pb), 镉(Cd), 汞(Hg), 六价铬(Cr(VI)), 多溴联苯(PBBs), 多溴二苯醚(PBDEs), 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP), 氟(F), 氯(Cl), 溴(Br), 碘(I)进行测试。
As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I) in the submitted sample(s).

Test Requested



报告编号 A2180214613101001ER1 第 1 页 共 7 页
Report No. A2180214613101001ER1 Page 1 of 7

申请单位 深圳市索瑞达电子有限公司
Applicant SHENZHEN SOREDE ELECTRONICS CO.,LTD

地址 深圳市观澜镇福城街道新塘村8号源创园陆号A6栋3楼

Address 3 FLOOR A6 BUILDING YUAN CHUANG GARDEN 8 XINTANG VILLAGE GUANCHENG TOWN GUANLAN TOWN SHENZHEN

以下测试之样品及样品信息由申请者提供并确认

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

样品名称 功率贴片电感
Sample Name 功率贴片电感
客户参考信息 NR2520系列/NR30系列/NR40系列/NR50系列/NR60系列/NR系列/80系列/NR1050系
Client Reference NR2520系列/NR30系列/NR40系列/NR50系列/NR60系列/NR系列/80系列/NR1050系
Information

样品接收日期 2018.11.07
Sample Received Date Nov. 7, 2018
样品检测日期 2018.11.07-2018.11.10
Testing Period Nov. 7, 2018 to Nov. 10, 2018

检测要求

根据客户要求, 对所提交样品中的铅(Pb), 镉(Cd), 汞(Hg), 六价铬(Cr(VI)), 多溴联苯(PBBs), 多溴二苯醚(PBDEs), 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP), 氟(F), 氯(Cl), 溴(Br), 碘(I)进行测试。
As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP), Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I) in the submitted sample(s).

Test Requested



报告编号 A2190106088101001E 第 1 页 共 7 页
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申请单位 深圳市索瑞达电子有限公司
Applicant SHENZHEN SOREDE ELECTRONICS CO.,LTD

地址 深圳市龙华区观澜街道新塘源创园陆号A6栋3楼

Address LONGHUA DISTRICT OF SHENZHEN MISSION HILLS ORANGE POND COMMUNITY XINTANG SOURCE AND GARDEN LAND, 3/F, BUILDING A6

以下测试之样品及样品信息由申请者提供并确认

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

样品名称 功率贴片电感
Sample Name 功率贴片电感
客户参考信息 04200530062006300650/1040/1050/1250/1265/1350/1770
Client Reference 04200530062006300650/1040/1050/1250/1265/1350/1770
Information

样品接收日期 2019.05.08
Sample Received Date May 8, 2019
样品检测日期 2019.05.08-2019.05.11
Testing Period May 8, 2019 to May 11, 2019

检测要求

根据客户要求, 对所提交样品中的铅(Pb), 镉(Cd), 汞(Hg), 六价铬(Cr(VI)), 多溴联苯(PBBs), 多溴二苯醚(PBDEs), 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)进行测试。

As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).

Test Requested



报告编号 A219016281101001E 第 1 页 共 7 页
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申请单位 深圳市索瑞达电子有限公司
Applicant SHENZHEN SOREDE ELECTRONICS CO.,LTD

地址 深圳市龙华新区观澜街道新城社区田背一精工艺工业区12栋四楼 B

Address LONGHUA DISTRICT OF SHENZHEN MISSION HILLS ORANGE POND COMMUNITY XINTANG SOURCE AND GARDEN LAND, 3/F, BUILDING A6

以下测试之样品及样品信息由申请者提供并确认

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

样品名称 电感
Sample Name 电感
客户参考信息 040605070608 061009121012
Client Reference 040605070608 061009121012
Information

样品接收日期 2019.07.02
Sample Received Date Jul. 2, 2019
样品检测日期 2019.07.02-2019.07.06
Testing Period Jul. 2, 2019 to Jul. 6, 2019

检测要求

根据客户要求, 对所提交样品中的铅(Pb), 镉(Cd), 汞(Hg), 六价铬(Cr(VI)), 多溴联苯(PBBs), 多溴二苯醚(PBDEs), 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)进行测试。

As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).

Test Requested

◆Product Content

Photo	Series Name	Size (mm)	Inductance (uH)	IDC Max. (A)	Page
	SCD	SCD.3516	1.2~100	1.24~0.14	7
		SCD.3521	2.2~390	1.80~0.11	8
		SCD.4521	1.0~470	2.50~0.15	9
		SCD.4532	1.0~1000	3.80~0.14	10
		SCD.5835	1.0~1000	4.50~0.13	11
		SCD.5845	1.0~1000	5.90~0.14	12
		SCD.7835	1.0~1000	6.00~0.08	13
		SCD.7850	1.0~1000	11.2~0.23	14
		SCD.1054	1.0~1000	10.5~0.20	15
	SRN	SRN.3216	0.12~100	0.97~0.08	17
		SRN.3225	1.0~560	0.80~0.03	17
		SRN.4532	4.7~470	0.75~0.09	18
		SRN.5750	1.0~390	9.00~0.55	18
	SRF	SRF.52B	1.0~68	1.70~0.23	20
		SRF.63B	1.0~100	3.00~0.49	20
		SRF.74B	1.0~470	3.50~0.30	21
		SRF.105B	10~560	2.06~0.25	22
		SRF.125B	4.7~120	3.50~0.95	22
	SNR	SNR.252010	0.47~10	2.35~0.50	24
		SNR.252012	0.47~22	2.15~0.38	25
		SNR.3010	1.0~56	1.40~0.21	26
		SNR.3012	0.22~100	3.00~0.25	27
		SNR.3015	0.50~150	2.60~0.19	28
		SNR.4010	1.0~22	1.90~0.50	29
		SNR.4012	0.82~100	1.65~0.25	29
		SNR.4018	0.47~220	4.00~0.17	30
		SNR.4020	0.24~100	4.50~0.31	31
		SNR.4030	0.68~470	4.56~0.20	32

◆Product Content

Photo	Series Name	Size (mm)	Inductance (uH)	IDC Max. (A)	Page
	SNR	SNR.5012	0.22~22	3.00~0.60	33
		SNR.5020	0.47~47	4.60~0.77	34
		SNR.5040	1.0~1000	4.90~0.20	34
		SNR.6020	0.50~330	4.00~0.33	35
		SNR.6028	0.82~1000	5.20~0.23	36
		SNR.6045	0.47~1500	6.50~0.21	37~38
		SNR.8040	0.82~1500	6.30~0.26	39
		SNR.8060	2.2~10000	8.00~0.60	40
		SNR.8065	6.8~100000	7.50~0.17	41
		SNR.1050	4.7~10000	4.60~0.60	42
	SDRH	SDRH.0703	1.0~1000	7.97~0.16	44
		SDRH.0704	1.0~1000	9.00~0.18	45
		SDRH.1204	3.9~330	6.50~0.50	46
		SDRH.1205	1.3~1000	8.00~0.40	47
		SDRH.1207	1.2~1000	9.80~0.55	48
		SDRH.1209	1.0~2200	19.9~0.43	49
	SDRH	SDRH.2D11	1.5~10	0.90~0.35	52
		SDRH.2D14	1.2~12	1.95~0.62	52
		SDRH.2D18	2.2~47	0.85~0.20	52
	SDRH	SDRH.3D11	2.7~39	0.53~0.14	53
		SDRH.3D16	0.47~33	2.75~0.32	53
		SDRH.3D18	1.0~47	2.80~0.40	54
		SDRH.3D28	10~220	0.50~0.10	54
		SDRH.4D18	1.0~180	1.72~0.14	55
		SDRH.4D28	1.2~390	2.56~0.13	56
		SDRH.5D18	4.1~180	1.95~0.28	57
		SDRH.5D28	1.0~330	2.80~0.25	57
		SDRH.6D28	3.0~470	3.00~0.21	58
		SDRH.6D38	3.0~680	3.50~0.25	59
	SDRH	SDRH.8D28	1.0~100	6.50~0.75	60
		SDRH.8D38	1.8~100	6.80~0.88	60
		SDRH.8D43	1.0~100	6.60~0.80	61

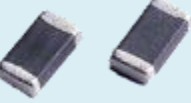
◆Product Content

Photo	Series Name	Size (mm)	Inductance (uH)	IDC Max. (A)	Page
	SDRH	SDRH.103R	0.8~150	8.30~0.51	63
		SDRH.104R	1.5~330	6.50~0.52	64
		SDRH.105R	0.8~1000	9.50~0.42	65
	SRR	SRR.53	1.1~68	3.87~0.51	67
		SRR.63	1.0~100	3.59~0.36	67
		SRR.104	1.0~100	8.70~1.00	68
	SRH	SRH.6028	4.7~220	1.60~0.26	70
		SRH.6045	1.0~820	2.70~0.11	71
		SRH.7032	3.3~1000	1.90~0.13	72
		SRH.7045	3.3~1000	2.50~0.14	72
		SRH.7055	1.5~100	6.20~0.80	73
		SRH.10145	3.3~1500	4.90~0.22	74
		SRH.12555	6.0~680	3.60~0.43	74
		SRH.12565	2.0~100	10.0~1.60	74
		SRH.12575	1.2~220	13.0~1.30	74
	SRYT	SRYT.0415	0.22~4.7	6.00~2.00	76
		SRYT.0420	0.22~10	9.00~1.50	77
		SRYT.0520	0.22~10	10.5~1.50	77
		SRYT.0530	0.47~22	10.0~1.30	78
		SRYT.0550	4.7~22	5.00~1.50	78
		SRYT.0618	0.47~10	11.0~2.00	78
		SRYT.0620	0.68~10	10.5~2.80	79
		SRYT.0630	0.22~47	20.0~0.80	79
		SRYT.0640	0.56~4.7	14.0~6.00	80
		SRYT.0650	0.22~68	20.0~1.30	80
		SRYT.1030	1.0~15	13.0~3.50	81
		SRYT.1040	0.22~100	30.0~1.00	81
		SRYT.1050	0.82~33	16.0~3.50	82
		SRYT.1335	0.22~10	25.0~6.00	82
		SRYT.1340	0.22~22	23.0~4.00	82
		SRYT.1350	0.33~68	32.0~1.50	83

◆Product Content

Photo	Series Name	Size (mm)	Inductance (uH)	IDC Max. (A)	Page
	SDR	SDR.1608	1.0~1000	2.90~0.07	85
		SDR.3308	10~1000	2.00~0.05	86
		SDR.3316	1.0~1000	6.80~0.30	86
		SDR.3340	10~1000	3.50~0.10	87
		SDR.5022	1.0~1000	8.60~0.56	87
	SDRS	SDRS.3316	1.0~220	5.00~0.40	89
		SDRS.5022	10~1000	3.90~0.53	89
	SRWV	SRWV.3225	1.0~1000	0.40~0.015	91
		SRWV.4532	0.1~150	0.80~0.10	92
	SH	SH.0406	1.0~820	2.00~0.16	94
		SH.0608	3.3~4700	3.50~0.03	95
		SH.0810	3.3~2700	5.00~0.17	96
		SH.0912	1.0~1500	5.00~0.15	97
		SH.1012	1.0~10000	6.00~0.18	98
	SCR	SCR.0110	10.0~10000	1.00~0.01	100
		SCR.0112	10.0~10000	3.30~0.01	101
		SCR.0114	10.0~10000	4.50~0.15	102
		SCR.0124	10.0~2220	3.61~0.18	103
	SRAL	SRAL.0204	0.1~330	0.70~0.02	105
		SRAL.0307	0.1~1000	1.40~0.06	106
		SRAL.0410	0.1~1000	1.70~0.08	107
		SRAL.0510	470~10000	0.12~0.02	108
	SRT	SRT.5026	1.0~220	~~	109
		SRT.050125	1.0~3300	~~	
		SRT.1808	330~5000	~~	
		SRT.2209	100~3300	~~	
		SRT.201208	100~3300	~~	

Photo	Series Name	Size (mm)	Inductance (uH)	SRF (MHz)	IDC Max. (A)	Page
	SRFI	SRFI.0402	0.047~10	200~9	0.025~0.002	111
		SRFI.0603	0.047~33	600~10	0.05~0.001	112
		SRFI.0805	0.047~100	350~8	0.30~0.002	113
		SRFI.1206	0.047~220	400~5.5	0.30~0.002	114
		SRFI.1210	1.0~27	90~17	0.15~0.001	115
	SRCI	SRCI.0201	0.001~0.056	10000~1200	0.60~0.06	117
		SRCI.0402	0.001~0.33	10000~350	0.40~0.05	118
		SRCI.0603	0.001~0.33	10000~350	0.50~0.30	119
		SRCI.0805	0.001~0.47	6000~200	0.60~0.30	120
	SRWI	SRWI.0402	0.001~0.10	12700~1160	1.36~0.03	122
		SRWI.0603	0.002~0.47	12600~700	0.70~0.08	123
		SRWI.0805	0.003~0.82	7900~215	0.60~0.18	124
	SRWF	SRWF.0805	0.12~0.33	1000~18	1.50~0.12	126
		SRWF.1008	0.22~100	750~7	0.88~0.20	127
		SRWF.1210	1.8~220	203~8	1.00~0.08	128

Photo	Series Name	Size (mm)	Impedance (Ω)	IDC Max. (A)	Page
	SRGB	SRGB.0201	10~600	0.50~0.10	130
		SRGB.0402	5~1800	0.50~0.10	130
		SRGB.0603	7~2500	1.00~0.05	130
		SRGB.0805	7~2500	2.20~0.20	131
		SRGB.3216	19~3000	2.00~0.20	132
	SRCM	SRCM.2012	30~370	0.45~0.28	134

Note: Data in this document only provides the main products, so you want to order or learn more about the product related information, please contact SOREDE for the company to get the latest and most complete product information.

◆ SMD Power Inductors SCD Series

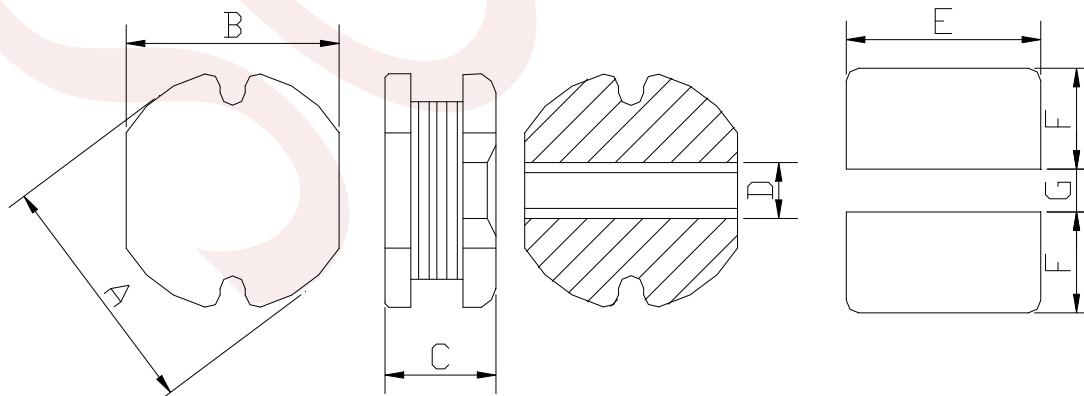


PRODUCT IDENTIFICATION

SCD 4532 D Y F 101 M T 00
a b c d e f g h i

- a: Series name
- b: Product dimensions (a x c)
- c: Winding (D:Single Line、C: Double Line)
- d: Sealing way (L: Cold seal、Y: Heat seal)
- e: Lettering direction ▶
- f: Inductance Value
(1R0:1.0uH、100: 10uH、101:100uH)
- g: Inductance Tolerance (K:10%、M:20%、N:30%)
- h: Package(T:Tape/Reel、B: Bulk)
- i: Numbering (standard)

SHAPES AND DIMENSIONS



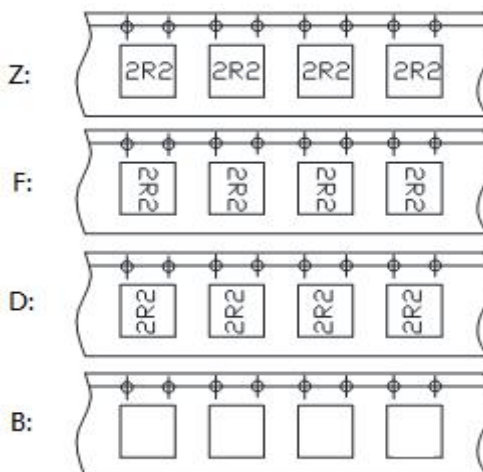
FEATURES

- ◆ High heat resistance and excellent solderability.
- ◆ Excellent terminal strength construction.
- ◆ Surface mount inductor with high current rating.

APPLICATIONS

- ◆ Ideally used in Digital camera, notebook, PC, LCD TV set, DC-DC Converters, etc.

▶ Lettering direction



SMD Power Inductors

SCD.3516 Series

Series	Dimensions(mm)						
	A	B	C	D	E Ref.	F Ref.	G Ref.
SCD.3516	3.5±0.3	3.0±0.3	1.6±0.3	1.0	3.2	1.3	1.0
SCD.3521	3.5±0.3	3.0±0.3	2.1±0.3	1.0	3.2	1.3	1.0
SCD.4521	4.5±0.3	4.0±0.3	2.1±0.3	1.2	4.5	1.8	1.5
SCD.4532	4.5±0.3	4.0±0.3	3.2±0.3	1.2	4.5	1.8	1.5
SCD.5830	5.8±0.3	5.2±0.3	3.0±0.3	1.3	5.5	2.2	1.7
SCD.5845	5.8±0.3	5.2±0.3	4.5±0.3	1.3	5.5	2.2	1.7
SCD.7835	7.8±0.3	7.0±0.3	3.5±0.3	2.1	7.5	3.0	2.0
SCD.7850	7.8±0.3	7.0±0.3	5.0±0.3	2.1	7.5	3.0	2.0
SCD.1054	10.0±0.3	9.0±0.3	5.4±0.3	2.1	9.5	3.75	2.5

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCD.3516.DYF1R0MT00	1.0	100/0.25	0.049	1.20
SCD.3516.DYF1R8MT00	1.8	100/0.25	0.068	1.10
SCD.3516.DYF2R2MT00	2.2	100/0.25	0.089	0.98
SCD.3516.DYF3R3MT00	3.3	100/0.25	0.120	0.95
SCD.3516.DYF4R7MT00	4.7	100/0.25	0.163	0.90
SCD.3516.DYF5R6MT00	5.6	100/0.25	0.182	0.85
SCD.3516.DYF6R8MT00	6.8	100/0.25	0.234	0.81
SCD.3516.DYF8R2MT00	8.2	100/0.25	0.260	0.71
SCD.3516.DYF100KT00	10	100/0.25	0.357	0.61
SCD.3516.DYF120KT00	12	100/0.25	0.377	0.58
SCD.3516.DYF150KT00	15	100/0.25	0.442	0.53
SCD.3516.DYF180KT00	18	100/0.25	0.520	0.48
SCD.3516.DYF220KT00	22	100/0.25	0.637	0.43
SCD.3516.DYF270KT00	27	100/0.25	0.767	0.41
SCD.3516.DYF330KT00	33	100/0.25	1.010	0.37
SCD.3516.DYF390KT00	39	100/0.25	1.110	0.34
SCD.3516.DYF470KT00	47	100/0.25	1.680	0.30
SCD.3516.DYF820KT00	82	100/0.25	2.660	0.25
SCD.3516.DYF101KT00	100	100/0.25	3.150	0.20
SCD.3516.DYF151KT00	150	100/0.25	4.290	0.17

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

◆ SMD Power Inductors

SCD.3521 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCD.3521.DYF1R0MT00	1.0	100/0.25	0.048	2.00
SCD.3521.DYF2R2MT00	2.2	100/0.25	0.073	1.40
SCD.3521.DYF3R3MT00	3.3	100/0.25	0.109	1.25
SCD.3521.DYF4R7MT00	4.7	100/0.25	0.173	1.10
SCD.3521.DYF5R6MT00	5.6	100/0.25	0.192	0.90
SCD.3521.DYF6R8MT00	6.8	100/0.25	0.219	0.85
SCD.3521.DYF8R2MT00	8.2	100/0.25	0.247	0.80
SCD.3521.DYF100KT00	10	100/0.25	0.286	0.73
SCD.3521.DYF120KT00	12	100/0.25	0.325	0.62
SCD.3521.DYF150KT00	15	100/0.25	0.468	0.60
SCD.3521.DYF180KT00	18	100/0.25	0.546	0.53
SCD.3521.DYF220KT00	22	100/0.25	0.611	0.50
SCD.3521.DYF270KT00	27	100/0.25	0.680	0.42
SCD.3521.DYF330KT00	33	100/0.25	0.962	0.40
SCD.3521.DYF390KT00	39	100/0.25	1.050	0.36
SCD.3521.DYF470KT00	47	100/0.25	1.380	0.34
SCD.3521.DYF560KT00	56	100/0.25	1.530	0.32
SCD.3521.DYF680KT00	68	100/0.25	1.730	0.30
SCD.3521.DYF820KT00	82	100/0.25	2.390	0.28
SCD.3521.DYF101KT00	100	100/0.25	3.627	0.25
SCD.3521.DYF121KT00	120	100/0.25	3.720	0.20
SCD.3521.DYF151KT00	150	100/0.25	4.290	0.19
SCD.3521.DYF181KT00	180	100/0.25	4.810	0.17
SCD.3521.DYF221KT00	220	100/0.25	6.630	0.16
SCD.3521.DYF271KT00	270	100/0.25	7.800	0.13
SCD.3521.DYF331KT00	330	100/0.25	9.490	0.13
SCD.3521.DYF391KT00	390	100/0.25	10.530	0.12
SCD.3521.DYF471KT00	470	100/0.25	12.050	0.09
SCD.3521.DYF561KT00	560	100/0.25	13.260	0.08
SCD.3521.DYF681KT00	680	100/0.25	18.200	0.07
SCD.3521.DYF821KT00	820	100/0.25	23.400	0.06

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

SMD Power Inductors

SCD.4521 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCD.4521.DYF1R0MT00	1.0	100/0.25	0.03	2.50
SCD.4521.DYF1R5MT00	1.5	100/0.25	0.04	1.80
SCD.4521.DYF2R2MT00	2.2	100/0.25	0.05	1.60
SCD.4521.DYF3R3MT00	3.3	100/0.25	0.06	1.50
SCD.4521.DYF4R7MT00	4.7	100/0.25	0.10	1.30
SCD.4521.DYF5R6MT00	5.6	100/0.25	0.08	1.10
SCD.4521.DYF6R8MT00	6.8	100/0.25	0.10	1.05
SCD.4521.DYF8R2MT00	8.2	100/0.25	0.11	1.00
SCD.4521.DYF100KT00	10	100/0.25	0.17	0.92
SCD.4521.DYF120KT00	12	100/0.25	0.18	0.82
SCD.4521.DYF150KT00	15	100/0.25	0.20	0.80
SCD.4521.DYF180KT00	18	100/0.25	0.25	0.73
SCD.4521.DYF220KT00	22	100/0.25	0.427	0.70
SCD.4521.DYF270KT00	27	100/0.25	0.477	0.62
SCD.4521.DYF330KT00	33	100/0.25	0.525	0.60
SCD.4521.DYF390KT00	39	100/0.25	0.654	0.56
SCD.4521.DYF470KT00	47	100/0.25	0.668	0.54
SCD.4521.DYF560KT00	56	100/0.25	0.73	0.52
SCD.4521.DYF680KT00	68	100/0.25	1.36	0.50
SCD.4521.DYF820KT00	82	100/0.25	1.45	0.48
SCD.4521.DYF101KT00	100	100/0.25	1.50	0.45
SCD.4521.DYF121KT00	120	100/0.25	1.53	0.35
SCD.4521.DYF151KT00	150	100/0.25	2.40	0.34
SCD.4521.DYF181KT00	180	100/0.25	2.86	0.32
SCD.4521.DYF221KT00	220	100/0.25	4.10	0.25
SCD.4521.DYF271KT00	270	100/0.25	5.14	0.24
SCD.4521.DYF331KT00	330	100/0.25	7.15	0.21
SCD.4521.DYF391KT00	390	100/0.25	7.43	0.20
SCD.4521.DYF471KT00	470	100/0.25	8.19	0.18
SCD.4521.DYF681KT00	680	100/0.25	10.92	0.13
SCD.4521.DYF102KT00	1000	100/0.25	24.23	0.12
SCD.4521.DYF152KT00	1500	100/0.25	25.56	0.09

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

◆ SMD Power Inductors

SCD.4532 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCD.4532.DYF1R0MT00	1.0	100/0.25	0.033	3.00
SCD.4532.DYF1R5MT00	1.5	100/0.25	0.036	2.50
SCD.4532.DYF2R2MT00	2.2	100/0.25	0.042	2.30
SCD.4532.DYF3R3MT00	3.3	100/0.25	0.051	2.10
SCD.4532.DYF3R9MT00	3.9	100/0.25	0.070	1.90
SCD.4532.DYF4R7MT00	4.7	100/0.25	0.080	1.60
SCD.4532.DYF5R6MT00	5.6	100/0.25	0.080	1.45
SCD.4532.DYF6R8MT00	6.8	100/0.25	0.100	1.35
SCD.4532.DYF8R2MT00	8.2	100/0.25	0.120	1.30
SCD.4532.DYF100KT00	10	100/0.25	0.150	1.00
SCD.4532.DYF120KT00	12	100/0.25	0.160	0.90
SCD.4532.DYF130KT00	13	100/0.25	0.170	0.85
SCD.4532.DYF150KT00	15	100/0.25	0.200	0.80
SCD.4532.DYF180KT00	18	100/0.25	0.230	0.70
SCD.4532.DYF220KT00	22	100/0.25	0.270	0.60
SCD.4532.DYF270KT00	27	100/0.25	0.331	0.55
SCD.4532.DYF330KT00	33	100/0.25	0.350	0.50
SCD.4532.DYF390KT00	39	100/0.25	0.400	0.48
SCD.4532.DYF470KT00	47	100/0.25	0.530	0.40
SCD.4532.DYF560KT00	56	100/0.25	0.600	0.38
SCD.4532.DYF680KT00	68	100/0.25	0.740	0.33
SCD.4532.DYF820KT00	82	100/0.25	0.880	0.29
SCD.4532.DYF101KT00	100	100/0.25	1.20	0.26
SCD.4532.DYF121KT00	120	100/0.25	1.25	0.24
SCD.4532.DYF151KT00	150	100/0.25	1.60	0.22
SCD.4532.DYF181KT00	180	100/0.25	2.00	0.19
SCD.4532.DYF221KT00	220	100/0.25	3.08	0.18
SCD.4532.DYF271KT00	270	100/0.25	3.25	0.16
SCD.4532.DYF331KT00	330	100/0.25	3.55	0.15
SCD.4532.DYF391KT00	390	100/0.25	4.20	0.13
SCD.4532.DYF471KT00	470	100/0.25	4.90	0.12
SCD.4532.DYF561KT00	560	100/0.25	6.50	0.11
SCD.4532.DYF681KT00	680	100/0.25	10.0	0.10
SCD.4532.DYF102KT00	1000	100/0.25	13.2	0.09
SCD.4532.DYF152KT00	1500	100/0.25	20.0	0.08

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

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◆ SMD Power Inductors

SCD.5830 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCD.5830.CYF1R0MT00	1.0	100/0.25	0.017	3.70
SCD.5830.CYF1R5MT00	1.5	100/0.25	0.020	3.50
SCD.5830.CYF1R8MT00	1.8	100/0.25	0.022	3.00
SCD.5830.CYF2R2MT00	2.2	100/0.25	0.026	2.85
SCD.5830.CYF3R3MT00	3.3	100/0.25	0.040	2.40
SCD.5830.CYF3R9MT00	3.9	100/0.25	0.046	2.25
SCD.5830.CYF4R7MT00	4.7	100/0.25	0.052	1.90
SCD.5830.CYF5R6MT00	5.6	100/0.25	0.058	1.88
SCD.5830.CYF6R8MT00	6.8	100/0.25	0.071	1.87
SCD.5830.CYF8R2MT00	8.2	100/0.25	0.081	1.82
SCD.5830.DYF100KT00	10	100/0.25	0.094	1.78
SCD.5830.DYF120KT00	12	100/0.25	0.126	1.60
SCD.5830.DYF150KT00	15	100/0.25	0.145	1.58
SCD.5830.DYF180KT00	18	100/0.25	0.160	1.30
SCD.5830.DYF220KT00	22	100/0.25	0.192	1.29
SCD.5830.DYF270KT00	27	100/0.25	0.242	1.10
SCD.5830.DYF330KT00	33	100/0.25	0.325	0.95
SCD.5830.DYF390KT00	39	100/0.25	0.369	0.92
SCD.5830.DYF470KT00	47	100/0.25	0.436	0.82
SCD.5830.DYF560KT00	56	100/0.25	0.553	0.80
SCD.5830.DYF680KT00	68	100/0.25	0.628	0.76
SCD.5830.DYF820KT00	82	100/0.25	0.785	0.67
SCD.5830.DYF101KT00	100	100/0.25	0.848	0.62
SCD.5830.DYF121KT00	120	100/0.25	1.030	0.60
SCD.5830.DYF151KT00	150	100/0.25	1.440	0.48
SCD.5830.DYF201KT00	200	100/0.25	1.95	0.40
SCD.5830.DYF221KT00	220	100/0.25	2.08	0.37
SCD.5830.DYF271KT00	270	100/0.25	2.46	0.33
SCD.5830.DYF331KT00	330	100/0.25	3.71	0.30
SCD.5830.DYF391KT00	390	100/0.25	4.24	0.26
SCD.5830.DYF471KT00	470	100/0.25	4.42	0.24
SCD.5830.DYF561KT00	560	100/0.25	4.68	0.22
SCD.5830.DYF681KT00	680	100/0.25	6.42	0.21
SCD.5830.DYF821KT00	820	100/0.25	7.36	0.18
SCD.5830.DYF102KT00	1000	100/0.25	9.73	0.17

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

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◆ SMD Power Inductors

SCD.5845 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCD.5845.CYF1R0NT00	1.0	100/0.25	0.020	5.40
SCD.5845.CYF1R5MT00	1.5	100/0.25	0.023	4.70
SCD.5845.CYF2R2MT00	2.2	100/0.25	0.030	3.90
SCD.5845.CYF3R3MT00	3.3	100/0.25	0.032	3.70
SCD.5845.CYF4R7MT00	4.7	100/0.25	0.042	3.10
SCD.5845.CYF5R6MT00	5.6	100/0.25	0.045	2.80
SCD.5845.CYF6R8MT00	6.8	100/0.25	0.056	2.40
SCD.5845.CYF8R2MT00	8.2	100/0.25	0.062	2.10
SCD.5845.DYF100KT00	10	100/0.25	0.075	1.44
SCD.5845.DYF120KT00	12	100/0.25	0.096	1.40
SCD.5845.DYF150KT00	15	100/0.25	0.105	1.30
SCD.5845.DYF180KT00	18	100/0.25	0.117	1.23
SCD.5845.DYF220KT00	22	100/0.25	0.153	1.10
SCD.5845.DYF270KT00	27	100/0.25	0.169	0.97
SCD.5845.DYF330KT00	33	100/0.25	0.208	0.88
SCD.5845.DYF390KT00	39	100/0.25	0.215	0.80
SCD.5845.DYF470KT00	47	100/0.25	0.355	0.72
SCD.5845.DYF500KT00	50	100/0.25	0.360	0.70
SCD.5845.DYF560KT00	56	100/0.25	0.377	0.68
SCD.5845.DYF680KT00	68	100/0.25	0.390	0.61
SCD.5845.DYF820KT00	82	100/0.25	0.416	0.58
SCD.5845.DYF101KT00	100	100/0.25	0.611	0.52
SCD.5845.DYF121KT00	120	100/0.25	0.754	0.48
SCD.5845.DYF151KT00	150	100/0.25	0.845	0.40
SCD.5845.DYF181KT00	180	100/0.25	1.04	0.38
SCD.5845.DYF221KT00	220	100/0.25	1.45	0.35
SCD.5845.DYF271KT00	270	100/0.25	1.51	0.32
SCD.5845.DYF331KT00	330	100/0.25	1.76	0.28
SCD.5845.DYF391KT00	390	100/0.25	2.08	0.26
SCD.5845.DYF471KT00	470	100/0.25	2.99	0.24
SCD.5845.DYF561KT00	560	100/0.25	3.12	0.22
SCD.5845.DYF681KT00	680	100/0.25	3.90	0.20
SCD.5845.DYF801KT00	800	100/0.25	5.20	0.19
SCD.5845.DYF821KT00	820	100/0.25	5.20	0.19
SCD.5845.DYF102KT00	1000	100/0.25	6.89	0.17

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

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◆ SMD Power Inductors

SCD.7835 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCD.7835.CYF1R0MT00	1.0	100/0.25	0.010	6.00
SCD.7835.CYF1R2MT00	1.2	100/0.25	0.013	5.60
SCD.7835.CYF2R2MT00	2.2	100/0.25	0.018	5.20
SCD.7835.CYF2R7MT00	2.7	100/0.25	0.021	4.30
SCD.7835.CYF3R3MT00	3.3	100/0.25	0.025	4.00
SCD.7835.CYF3R9MT00	3.9	100/0.25	0.029	3.70
SCD.7835.CYF4R7MT00	4.7	100/0.25	0.035	3.50
SCD.7835.CYF5R6MT00	5.6	100/0.25	0.040	3.00
SCD.7835.CYF6R8MT00	6.8	100/0.25	0.050	2.50
SCD.7835.CYF8R2MT00	8.2	100/0.25	0.059	2.00
SCD.7835.DYF100KT00	10	100/0.25	0.064	1.44
SCD.7835.DYF120KT00	12	100/0.25	0.073	1.33
SCD.7835.DYF150KT00	15	100/0.25	0.090	1.24
SCD.7835.DYF180KT00	18	100/0.25	0.110	1.12
SCD.7835.DYF220KT00	22	100/0.25	0.130	1.07
SCD.7835.DYF270KT00	27	100/0.25	0.150	0.94
SCD.7835.DYF330KT00	33	100/0.25	0.170	0.85
SCD.7835.DYF390KT00	39	100/0.25	0.220	0.74
SCD.7835.DYF470KT00	47	100/0.25	0.250	0.68
SCD.7835.DYF560KT00	56	100/0.25	0.280	0.64
SCD.7835.DYF680KT00	68	100/0.25	0.330	0.59
SCD.7835.DYF820KT00	82	100/0.25	0.410	0.54
SCD.7835.DYF101KT00	100	100/0.25	0.480	0.51
SCD.7835.DYF121KT00	120	100/0.25	0.540	0.49
SCD.7835.DYF151KT00	150	100/0.25	0.750	0.40
SCD.7835.DYF181KT00	180	100/0.25	1.020	0.36
SCD.7835.DYF221KT00	220	100/0.25	1.200	0.31
SCD.7835.DYF271KT00	270	100/0.25	1.310	0.29
SCD.7835.DYF331KT00	330	100/0.25	1.500	0.28
SCD.7835.DYF391KT00	390	100/0.25	1.850	0.25
SCD.7835.DYF471KT00	470	100/0.25	2.200	0.22
SCD.7835.DYF561KT00	560	100/0.25	2.600	0.20
SCD.7835.DYF681KT00	680	100/0.25	3.200	0.13
SCD.7835.DYF821KT00	820	100/0.25	3.900	0.11
SCD.7835.DYF102KT00	1000	100/0.25	4.500	0.08

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

SOREDE Specifications subject to change without notice.

索 瑞 達 電 子 Shenzhen SOREDE electronics co., LTD Tel: 0755-29803358 Fax: 0755-29803506 www.szsorede.com

◆ SMD Power Inductors

SCD.7850 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCD.7850.CYF1R0NT00	1.0	100/0.25	0.013	5.20
SCD.7850.CYF1R5MT00	1.5	100/0.25	0.014	5.00
SCD.7850.CYF2R2MT00	2.2	100/0.25	0.015	4.80
SCD.7850.CYF3R3MT00	3.3	100/0.25	0.020	4.00
SCD.7850.CYF4R7MT00	4.7	100/0.25	0.026	3.80
SCD.7850.CYF5R6MT00	5.6	100/0.25	0.027	3.10
SCD.7850.CYF6R8MT00	6.8	100/0.25	0.033	2.80
SCD.7850.CYF8R2MT00	8.2	100/0.25	0.039	2.52
SCD.7850.CYF100KT00	10	100/0.25	0.042	2.31
SCD.7850.CYF120KT00	12	100/0.25	0.049	2.00
SCD.7850.DYF150KT00	15	100/0.25	0.072	1.81
SCD.7850.DYF220KT00	22	100/0.25	0.091	1.50
SCD.7850.DYF330KT00	33	100/0.25	0.120	1.20
SCD.7850.DYF470KT00	47	100/0.25	0.176	1.05
SCD.7850.DYF560KT00	56	100/0.25	0.208	0.93
SCD.7850.DYF680KT00	68	100/0.25	0.238	0.83
SCD.7850.DYF820KT00	82	100/0.25	0.273	0.78
SCD.7850.DYF101KT00	100	100/0.25	0.325	0.73
SCD.7850.DYF121KT00	120	100/0.25	0.390	0.65
SCD.7850.DYF151KT00	150	100/0.25	0.520	0.58
SCD.7850.DYF181KT00	180	100/0.25	0.598	0.51
SCD.7850.DYF221KT00	220	100/0.25	0.793	0.48
SCD.7850.DYF331KT00	330	100/0.25	1.13	0.39
SCD.7850.DYF471KT00	470	100/0.25	1.68	0.33
SCD.7850.DYF561KT00	560	100/0.25	1.90	0.30
SCD.7850.DYF681KT00	680	100/0.25	2.47	0.27
SCD.7850.DYF821KT00	820	100/0.25	2.96	0.25
SCD.7850.DYF102KT00	1000	100/0.25	4.40	0.24
SCD.7850.DYF122KT00	1200	100/0.25	4.77	0.22
SCD.7850.DYF152KT00	1500	100/0.25	5.65	0.20
SCD.7850.DYF202KT00	2000	100/0.25	7.30	0.16
SCD.7850.DYF222KT00	2200	100/0.25	7.80	0.15
SCD.7850.DYF332KT00	3300	100/0.25	13.40	0.13
SCD.7850.DYF502KT00	5000	100/0.25	20.00	0.08

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

SOREDE Specifications subject to change without notice.

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◆ SMD Power Inductors

SCD.1054 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCD.1054.CYF1R0MT00	1.0	100/0.25	0.008	8.45
SCD.1054.CYF1R5MT00	1.5	100/0.25	0.014	6.80
SCD.1054.CYF2R2MT00	2.2	100/0.25	0.017	6.00
SCD.1054.CYF3R3MT00	3.3	100/0.25	0.020	5.00
SCD.1054.CYF4R7MT00	4.7	100/0.25	0.022	4.60
SCD.1054.CYF5R6MT00	5.6	100/0.25	0.024	4.00
SCD.1054.CYF6R8MT00	6.8	100/0.25	0.026	3.60
SCD.1054.CYF8R2MT00	8.2	100/0.25	0.031	3.20
SCD.1054.CYF100KT00	10	100/0.25	0.034	2.58
SCD.1054.CYF120KT00	12	100/0.25	0.040	2.44
SCD.1054.CYF150KT00	15	100/0.25	0.046	2.26
SCD.1054.CYF180KT00	18	100/0.25	0.058	2.13
SCD.1054.DYF220KT00	22	100/0.25	0.070	1.93
SCD.1054.DYF270KT00	27	100/0.25	0.084	1.74
SCD.1054.DYF330KT00	33	100/0.25	0.092	1.46
SCD.1054.DYF470KT00	47	100/0.25	0.144	1.26
SCD.1054.DYF560KT00	56	100/0.25	0.159	1.15
SCD.1054.DYF680KT00	68	100/0.25	0.200	1.10
SCD.1054.DYF820KT00	82	100/0.25	0.230	0.98
SCD.1054.DYF101KT00	100	100/0.25	0.260	0.95
SCD.1054.DYF121KT00	120	100/0.25	0.351	0.87
SCD.1054.DYF151KT00	150	100/0.25	0.403	0.74
SCD.1054.DYF181KT00	180	100/0.25	0.494	0.70
SCD.1054.DYF201KT00	200	100/0.25	0.545	0.68
SCD.1054.DYF221KT00	220	100/0.25	0.572	0.65
SCD.1054.DYF271KT00	270	100/0.25	0.728	0.54
SCD.1054.DYF331KT00	330	100/0.25	0.845	0.50
SCD.1054.DYF391KT00	390	100/0.25	1.04	0.46
SCD.1054.DYF471KT00	470	100/0.25	1.18	0.45
SCD.1054.DYF561KT00	560	100/0.25	1.42	0.40
SCD.1054.DYF681KT00	680	100/0.25	1.99	0.28
SCD.1054.DYF821KT00	820	100/0.25	2.03	0.24
SCD.1054.DYF102KT00	1000	100/0.25	2.47	0.22
SCD.1054.DYF152KT00	1500	100/0.25	4.36	0.20
SCD.1054.DYF222KT00	2200	100/0.25	5.68	0.17

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

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◆ SMD Power Inductors SRN Series



- ◆ Non-Shielded magnetic circuit design.
- ◆ Higher current design.
- ◆ Takes up less PCB real estate and save more power.

APPLICATIONS

- ◆ Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter.

PRODUCT IDENTIFICATION

SRN 4532 L B 100 K T 00
a b c d e f g h

a: Series name

b: Product dimensions (a x c)

c: Sealing way (L: Cold seal Y: Heat seal)

d: Lettering (No Marking)

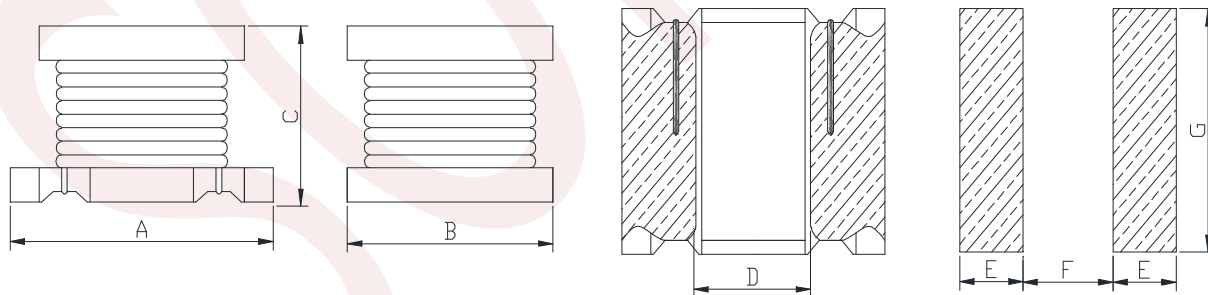
e: Inductance Value(1R0:1.0uH; 100: 10uH; 101:100uH)

f: Inductance Tolerance (K:10% ; M:20% ; N:30%)

g: Package(T:Tape/Reel、B: Bulk)

h: Numbering (standard)

SHAPES AND DIMENSIONS



Series	Dimensions(mm)						
	A	B	C	D	E Ref.	F Ref.	G Ref.
SRN.3216	3.2±0.3	1.6±0.3	1.8±0.3	1.0	1.8	0.8	1.8
SRN.3225	3.2±0.3	2.5±0.3	2.2±0.3	1.0	1.8	0.8	2.7
SRN.4532	4.5±0.3	3.2±0.3	2.6±0.3	1.2	2.4	1.0	3.5
SRN.5750	5.7±0.3	5.0±0.3	4.5±0.3	2.0	2.8	1.8	5.5

SMD Power Inductors SRN.3216/3225 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (MHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRN.3216.LBR12MT00	0.12	1.0/0.25	0.112	0.97
SRN.3216.LBR22MT00	0.22	1.0/0.25	0.140	0.85
SRN.3216.LBR47MT00	0.47	1.0/0.25	0.210	0.70
SRN.3216.LB1R0MT00	1.0	1.0/0.25	0.364	0.51
SRN.3216.LB2R2MT00	2.2	1.0/0.25	0.533	0.43
SRN.3216.LB4R7MT00	4.7	1.0/0.25	0.845	0.34
SRN.3216.LB100MT00	10	1.0/0.25	1.690	0.23
SRN.3216.LB220MT00	22	1.0/0.25	3.900	0.16
SRN.3216.LB470MT00	47	1.0/0.25	10.40	0.10
SRN.3216.LB101MT00	100	1.0/0.25	15.60	0.08

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (MHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRN.3225.LB1R0MT00	1.0	1.0/0.25	0.117	0.80
SRN.3225.LB2R2MT00	2.2	1.0/0.25	0.169	0.60
SRN.3225.LB4R7MT00	4.7	1.0/0.25	0.260	0.45
SRN.3225.LB100KT00	10	1.0/0.25	0.572	0.30
SRN.3225.LB220KT00	22	1.0/0.25	0.923	0.25
SRN.3225.LB470KT00	47	1.0/0.25	1.690	0.17
SRN.3225.LB101KT00	100	0.1/0.25	4.550	0.10
SRN.3225.LB221KT00	220	0.1/0.25	10.92	0.07
SRN.3225.LB331KT00	330	0.1/0.25	13.00	0.06
SRN.3225.LB391KT00	390	0.1/0.25	22.10	0.05
SRN.3225.LB471KT00	470	0.1/0.25	24.70	0.04
SRN.3225.LB561KT00	560	0.1/0.25	28.60	0.03

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

◆ SMD Power Inductors

SRN.4532/5750 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (MHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRN.4532.LB4R7MT00	4.7	1.0/0.25	0.150	0.75
SRN.4532.LB6R8MT00	6.8	1.0/0.25	0.200	0.72
SRN.4532.LB100KT00	10	1.0/0.25	0.240	0.65
SRN.4532.LB150KT00	15	1.0/0.25	0.320	0.57
SRN.4532.LB220KT00	22	1.0/0.25	0.600	0.42
SRN.4532.LB330KT00	33	1.0/0.25	1.000	0.31
SRN.4532.LB470KT00	47	1.0/0.25	1.100	0.28
SRN.4532.LB680KT00	68	1.0/0.25	1.700	0.22
SRN.4532.LB101KT00	100	0.1/0.25	2.200	0.19
SRN.4532.LB150KT00	150	0.1/0.25	3.500	0.13
SRN.4532.LB221KT00	220	0.1/0.25	4.000	0.11
SRN.4532.LB331KT00	330	0.1/0.25	6.800	0.10
SRN.4532.LB471KT00	470	0.1/0.25	8.500	0.09

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRN.5750.LB1R0MT00	1.0	1.0/0.25	0.020	9.00
SRN.5750.LB2R2MT00	2.2	1.0/0.25	0.035	6.54
SRN.5750.LB3R3MT00	3.3	1.0/0.25	0.054	5.48
SRN.5750.LB4R7MT00	4.7	1.0/0.25	0.081	4.48
SRN.5750.LB6R8MT00	6.8	1.0/0.25	0.124	3.57
SRN.5750.LB100KT00	10	1.0/0.25	0.167	3.06
SRN.5750.LB150KT00	15	1.0/0.25	0.215	2.63
SRN.5750.LB220KT00	22	1.0/0.25	0.322	2.21
SRN.5750.LB330KT00	33	1.0/0.25	0.448	1.75
SRN.5750.LB470KT00	47	1.0/0.25	0.586	1.50
SRN.5750.LB680KT00	68	1.0/0.25	0.806	1.30
SRN.5750.LB101KT00	100	0.1/0.25	1.100	1.05
SRN.5750.LB150KT00	150	0.1/0.25	1.575	0.94
SRN.5750.LB221KT00	220	0.1/0.25	2.550	0.72
SRN.5750.LB331KT00	330	0.1/0.25	3.600	0.60
SRN.5750.LB391KT00	390	0.1/0.25	4.000	0.55

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

◆ SMD Power Inductors SRF Series



FEATURES

- ◆ To be high saturation for surface mounting.
- ◆ Surface mount inductor with high current rating.
- ◆ Low resistance to keep power loss minimum.

APPLICATIONS

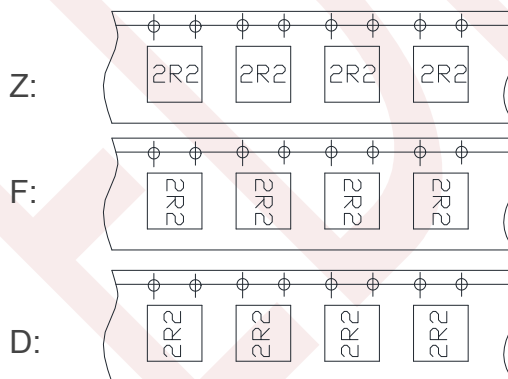
- ◆ Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter.

PRODUCT IDENTIFICATION

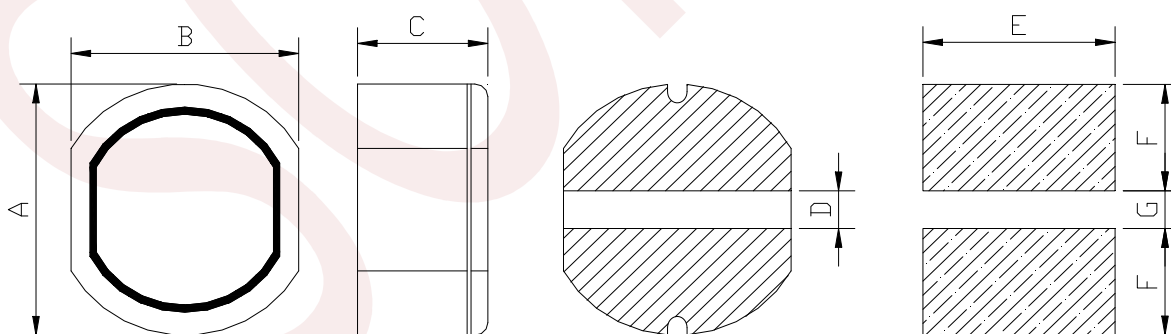
SRF 74B Y F 100 M I 00
a b c d e f g h

- a: Series name
b: Product dimensions (a x c)
c: Sealing way (L: Cold seal Y: Heat seal)
d: Lettering direction ▶
e: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
f: Inductance Tolerance (K:10% ; M:20% ; N:30%)
g: Package(T:Tape/Reel、B: Bulk)
h: Numbering (standard)

▶ Lettering direction



SHAPES AND DIMENSIONS



Series	Dimensions(mm)						
	A	B	C Max .	D	E Ref.	F Ref.	G Ref.
SRF.52B	5.80±0.3	5.20±0.3	2.80	1.50	5.50	2.35	1.30
SRF.63B	6.20±0.3	5.60±0.3	3.50	1.70	6.00	3.50	1.50
SRF.74B	7.80±0.3	7.00±0.3	4.90	1.90	7.50	3.50	1.50
SRF.105B	10.0±0.4	9.00±0.4	5.90	2.50	9.00	4.00	2.00
SRF.125B	12.5±0.5	11.5±0.5	5.90	3.00	12.0	5.00	2.50

◆ SMD Power Inductors

SRF.52B/63B Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRF.52B.YF1R0NT00	1.0	100/0.25	0.050	1.70
SRF.52B.YF2R2NT00	2.2	100/0.25	0.070	1.10
SRF.52B.YF3R3NT00	3.3	100/0.25	0.080	0.90
SRF.52B.YF5R6NT00	5.6	100/0.25	0.100	0.75
SRF.52B.YF6R8NT00	6.8	100/0.25	0.110	0.70
SRF.52B.YF8R2NT00	8.2	100/0.25	0.130	0.60
SRF.52B.YF100MT00	10	100/0.25	0.150	0.54
SRF.52B.YF150MT00	15	100/0.25	0.200	0.46
SRF.52B.YF220MT00	22	100/0.25	0.280	0.42
SRF.52B.YF330MT00	33	100/0.25	0.450	0.35
SRF.52B.YF390MT00	39	100/0.25	0.550	0.32
SRF.52B.YF470MT00	47	100/0.25	0.600	0.28
SRF.52B.YF560MT00	56	100/0.25	0.760	0.25
SRF.52B.YF680MT00	68	100/0.25	0.920	0.23

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRF.63B.YF1R0NT00	1.0	100/0.25	0.070	3.00
SRF.63B.YF2R2NT00	2.2	100/0.25	0.120	2.60
SRF.63B.YF3R3NT00	3.3	100/0.25	0.140	2.45
SRF.63B.YF4R7NT00	4.7	100/0.25	0.160	2.30
SRF.63B.YF5R6NT00	5.6	100/0.25	0.180	2.00
SRF.63B.YF6R8NT00	6.8	100/0.25	0.240	1.80
SRF.63B.YF8R2NT00	8.2	100/0.25	0.280	1.60
SRF.63B.YF100MT00	10	100/0.25	0.370	1.50
SRF.63B.YF150MT00	15	100/0.25	0.470	1.20
SRF.63B.YF180MT00	18	100/0.25	0.640	1.10
SRF.63B.YF220MT00	22	100/0.25	0.710	1.00
SRF.63B.YF270MT00	27	100/0.25	0.960	0.94
SRF.63B.YF330MT00	33	100/0.25	1.110	0.85
SRF.63B.YF390MT00	39	100/0.25	1.260	0.78
SRF.63B.YF470MT00	47	100/0.25	1.770	0.72
SRF.63B.YF560MT00	56	100/0.25	1.960	0.66
SRF.63B.YF680MT00	68	100/0.25	2.500	0.58
SRF.63B.YF820MT00	82	100/0.25	3.100	0.51
SRF.63B.YF101MT00	100	100/0.25	3.500	0.49

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 30% from its value without current;

SOREDE Specifications subject to change without notice.

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SMD Power Inductors

SRF.74B Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRF.74B.YF1R0NT00	1.0	100/0.25	0.035	3.50
SRF.74B.YF1R5NT00	1.5	100/0.25	0.045	3.15
SRF.74B.YF2R2NT00	2.2	100/0.25	0.050	3.00
SRF.74B.YF3R3NT00	3.3	100/0.25	0.060	2.85
SRF.74B.YF4R7NT00	4.7	100/0.25	0.065	2.60
SRF.74B.YF5R6NT00	5.6	100/0.25	0.070	2.50
SRF.74B.YF6R8NT00	6.8	100/0.25	0.075	2.45
SRF.74B.YF8R2NT00	8.2	100/0.25	0.080	2.40
SRF.74B.YF100MT00	10	100/0.25	0.090	2.30
SRF.74B.YF120MT00	12	100/0.25	0.100	2.00
SRF.74B.YF150MT00	15	100/0.25	0.110	1.80
SRF.74B.YF180MT00	18	100/0.25	0.120	1.60
SRF.74B.YF220MT00	22	100/0.25	0.130	1.50
SRF.74B.YF330MT00	33	100/0.25	0.180	1.20
SRF.74B.YF390MT00	39	100/0.25	0.240	1.10
SRF.74B.YF470MT00	47	100/0.25	0.280	1.00
SRF.74B.YF560MT00	56	100/0.25	0.370	0.94
SRF.74B.YF680MT00	68	100/0.25	0.430	0.85
SRF.74B.YF820MT00	82	100/0.25	0.470	0.78
SRF.74B.YF101MT00	100	100/0.25	0.640	0.72
SRF.74B.YF151MT00	150	100/0.25	0.960	0.58
SRF.74B.YF181MT00	180	100/0.25	1.110	0.51
SRF.74B.YF221MT00	220	100/0.25	1.260	0.49
SRF.74B.YF331MT00	330	100/0.25	1.960	0.40
SRF.74B.YF471MT00	470	100/0.25	3.100	0.30

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 30% from its value without current;

◆ SMD Power Inductors

SRF.105B/125B Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRF.105B.YF100MT00	10	100/0.25	0.060	2.06
SRF.105B.YF120MT00	12	100/0.25	0.070	1.94
SRF.105B.YF150MT00	15	100/0.25	0.074	1.72
SRF.105B.YF180MT00	18	100/0.25	0.080	1.58
SRF.105B.YF220MT00	22	100/0.25	0.083	1.42
SRF.105B.YF270MT00	27	100/0.25	0.100	1.32
SRF.105B.YF330MT00	33	100/0.25	0.110	1.16
SRF.105B.YF470MT00	47	100/0.25	0.140	1.00
SRF.105B.YF560MT00	56	100/0.25	0.190	0.93
SRF.105B.YF680MT00	68	100/0.25	0.210	0.85
SRF.105B.YF820MT00	82	100/0.25	0.280	0.79
SRF.105B.YF101MT00	100	100/0.25	0.340	0.72
SRF.105B.YF151MT00	150	100/0.25	0.510	0.55
SRF.105B.YF181MT00	180	100/0.25	0.570	0.50
SRF.105B.YF221MT00	220	100/0.25	0.780	0.47
SRF.105B.YF331MT00	330	100/0.25	1.200	0.37
SRF.105B.YF391MT00	390	100/0.25	1.340	0.35
SRF.105B.YF471MT00	470	100/0.25	1.500	0.33
SRF.105B.YF561MT00	560	100/0.25	1.700	0.25

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRF.125B.YF4R7NT00	4.7	100/0.25	0.030	3.50
SRF.125B.YF8R2NT00	8.2	100/0.25	0.040	2.95
SRF.125B.YF100MT00	10	100/0.25	0.050	2.65
SRF.125B.YF150MT00	15	100/0.25	0.060	2.45
SRF.125B.YF180MT00	18	100/0.25	0.065	2.40
SRF.125B.YF220MT00	22	100/0.25	0.070	2.20
SRF.125B.YF270MT00	27	100/0.25	0.080	2.00
SRF.125B.YF390MT00	39	100/0.25	0.110	1.65
SRF.125B.YF470MT00	47	100/0.25	0.120	1.50
SRF.125B.YF560MT00	56	100/0.25	0.150	1.38
SRF.125B.YF680MT00	68	100/0.25	0.170	1.26
SRF.125B.YF820MT00	82	100/0.25	0.200	1.14
SRF.125B.YF101MT00	100	100/0.25	0.250	1.05
SRF.125B.YF121MT00	120	100/0.25	0.280	0.95

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 30% from its value without current;

SOREDE Specifications subject to change without notice.

索 瑞 達 電 子 Shenzhen SOREDE electronics co., LTD Tel: 0755-29803358 Fax: 0755-29803506 www.szsorede.com

◆ SMD Power Inductors SNR Series

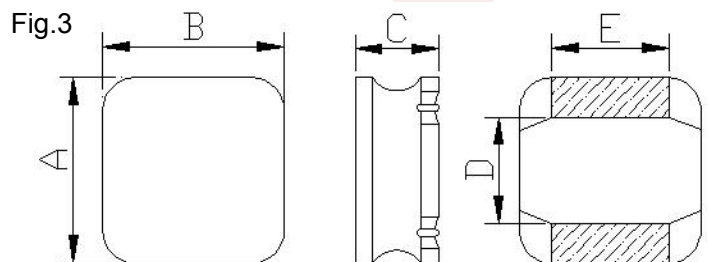
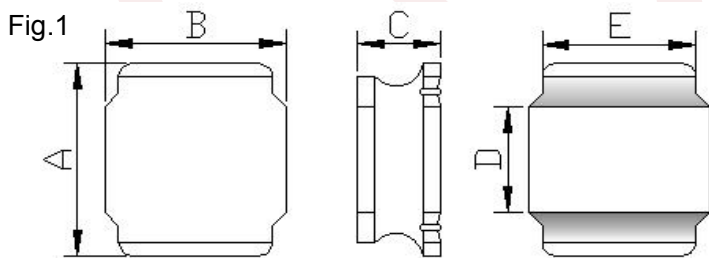


PRODUCT IDENTIFICATION

SNR 3015 T Y D 101 M T 00
a b c d e f g h i

- a: Series name
- b: Product dimensions (a x c)
- c: Shape (T:12-Sided、B:8-Sided、S:4-Sided)
- d: Sealing way (L: Cold seal Y: Heat seal)
- e: Lettering direction ▶
- f: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
- g: Inductance Tolerance (K:10% ; M:20% ; N:30%)
- h: Package(T:Tape/Reel、B: Bulk)
- i: Numbering (standard)

SHAPES AND DIMENSIONS



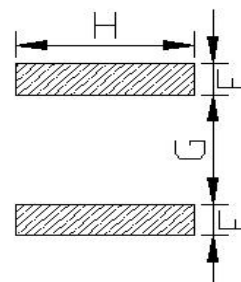
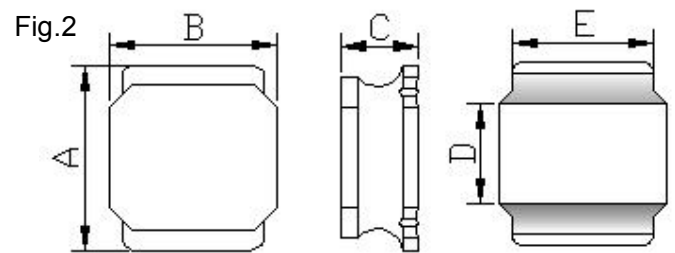
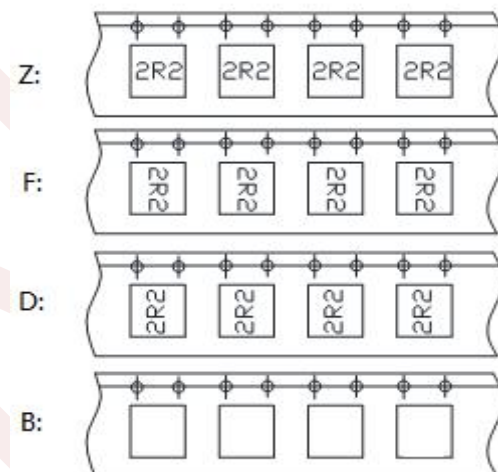
FEATURES

- ◆ low profile, low RDC, high current handling capacities.
- ◆ Magnetically shielded structure that ensures the high-density mounting configurations.
- ◆ Flat bottom surface ensures secure, reliable mounting.

APPLICATIONS

- ◆ Ideally used in Digital camera, notebook, PC, LCD TV set, DC-DC Converters, etc.

▶ Lettering direction



※ All products are printed with Marking except the 252010, 252012 series.

SMD Power Inductors

SNR.201610 Series

SHAPES AND DIMENSIONS

Series	Shape	Dimensions(mm)							
		A	B	C Max.	D	E Ref.	F Ref.	G Ref.	H Ref.
SNR.201610	Fig.1	2.0±0.2	1.6±0.2	1.05	0.8±0.2	1.60	0.70	0.70	1.60
SNR.252010	Fig.1	2.5±0.2	2.0±0.2	1.05	0.8±0.2	2.00	0.85	0.80	2.00
SNR.252012	Fig.1	2.5±0.2	2.0±0.2	1.20	0.8±0.2	2.00	0.85	0.80	2.00
SNR.3010	Fig.2	3.0±0.2	3.0±0.2	1.00	1.5±0.2	2.50	0.80	1.50	2.70
SNR.3012	Fig.2	3.0±0.2	3.0±0.2	1.20	1.5±0.2	2.50	0.80	1.50	2.70
SNR.3015	Fig.1	3.0±0.2	3.0±0.2	1.50	1.5±0.2	2.50	0.80	1.50	2.70
SNR.4010	Fig.2	4.0±0.2	4.0±0.2	1.00	2.1±0.2	3.30	1.10	1.90	3.70
SNR.4012	Fig.2	4.0±0.2	4.0±0.2	1.20	2.1±0.2	3.30	1.10	1.90	3.70
SNR.4018	Fig.1	4.0±0.2	4.0±0.2	1.80	2.1±0.2	3.30	1.10	1.90	3.70
SNR.4020	Fig.1	4.0±0.2	4.0±0.2	2.00	2.1±0.2	3.30	1.10	1.90	3.70
SNR.4030	Fig.1	4.0±0.2	4.0±0.2	3.00	2.1±0.2	3.30	1.10	1.90	3.70
SNR.5012	Fig.2	5.0±0.2	5.0±0.2	1.20	2.5±0.2	4.00	1.40	2.30	4.20
SNR.5020	Fig.1	5.0±0.2	5.0±0.2	2.00	2.5±0.2	4.00	1.40	2.30	4.20
SNR.5030	Fig.1	5.0±0.2	5.0±0.2	3.00	2.5±0.2	4.00	1.40	2.30	4.20
SNR.5040	Fig.1	5.0±0.2	5.0±0.2	4.00	2.5±0.2	4.00	1.40	2.30	4.20
SNR.6020	Fig.1	6.0±0.3	6.0±0.3	2.00	2.9±0.3	4.90	1.70	2.80	5.70
SNR.6028	Fig.1	6.0±0.3	6.0±0.3	2.80	2.9±0.3	4.90	1.70	2.80	5.70
SNR.6045	Fig.1	6.0±0.3	6.0±0.3	4.50	2.9±0.3	4.90	1.70	2.80	5.70
SNR.8040	Fig.1	8.0±0.3	8.0±0.3	4.20	4.0±0.3	6.30	2.20	3.80	7.50
SNR.8060	Fig.1	8.0±0.3	8.0±0.3	6.00	4.0±0.3	6.30	2.20	3.80	7.50
SNR.8065	Fig.1	8.0±0.3	8.0±0.3	6.50	4.0±0.3	6.30	2.20	3.80	7.50
SNR.1050	Fig.3	10±0.3	10±0.3	5.00	6.5±0.3	4.50	2.20	6.20	5.40

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (MHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.201610.SYBR24MT00	0.24	1/0.25	0.040	3.70	2.80
SNR.201610.SYBR47MT00	0.47	1/0.25	0.060	2.30	2.30
SNR.201610.SYBR68MT00	0.68	1/0.25	0.076	1.95	2.00
SNR.201610.SYB1R0MT00	1.0	1/0.25	0.114	1.65	1.45
SNR.201610.SYB1R5MT00	1.5	1/0.25	0.174	1.35	1.10
SNR.201610.SYB2R2MT00	2.2	1/0.25	0.265	1.20	1.05
SNR.201610.SYB3R3MT00	3.3	1/0.25	0.345	1.00	0.85
SNR.201610.SYB4R7MT00	4.7	1/0.25	0.480	0.75	0.70
SNR.201610.SYB6R8MT00	6.8	1/0.25	0.800	0.70	0.55
SNR.201610.SYB100MT00	10.	1/0.25	1.00	0.65	0.50
SNR.201610.SYB220MT00	22	1/0.25	1.70	0.32	0.32

◆ SMD Power Inductors

SNR.252010/12 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (MHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.252010.SYBR24MT00	0.24	100/0.25	0.034	3.60	2.75
SNR.252010.SYBR33MT00	0.33	100/0.25	0.043	3.60	2.45
SNR.252010.SYBR47MT00	0.47	100/0.25	0.044	2.80	2.40
SNR.252010.SYBR68MT00	0.68	100/0.25	0.062	2.75	2.10
SNR.252010.SYB1R0MT00	1.0	100/0.25	0.080	2.05	1.85
SNR.252010.SYB1R5MT00	1.5	100/0.25	0.108	1.70	1.55
SNR.252010.SYB2R2MT00	2.2	100/0.25	0.150	1.50	1.35
SNR.252010.SYB3R3MT00	3.3	100/0.25	0.228	1.10	1.05
SNR.252010.SYB4R7MT00	4.7	100/0.25	0.330	1.00	0.90
SNR.252010.SYB5R6MT00	5.6	100/0.25	0.480	0.90	0.80
SNR.252010.SYB6R8MT00	6.8	100/0.25	0.480	0.80	0.72
SNR.252010.SYB100MT00	10	100/0.25	0.600	0.65	0.67
SNR.252010.SYB150MT00	15	100/0.25	0.950	0.50	0.45

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (MHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.252012.SYBR24MT00	0.24	1/0.25	0.023	4.10	4.10
SNR.252012.SYBR33MT00	0.33	1/0.25	0.031	4.00	3.35
SNR.252012.SYBR47MT00	0.47	1/0.25	0.036	3.80	3.00
SNR.252012.SYBR68MT00	0.68	1/0.25	0.047	3.00	2.30
SNR.252012.SYB1R0MT00	1.0	1/0.25	0.060	2.25	2.30
SNR.252012.SYB1R5MT00	1.5	1/0.25	0.090	2.00	1.80
SNR.252012.SYB2R2MT00	2.2	1/0.25	0.108	1.75	1.75
SNR.252012.SYB3R3MT00	3.3	1/0.25	0.156	1.20	1.40
SNR.252012.SYB4R7MT00	4.7	1/0.25	0.228	1.10	1.10
SNR.252012.SYB5R6MT00	5.6	1/0.25	0.330	1.00	1.00
SNR.252012.SYB6R8MT00	6.8	1/0.25	0.360	0.90	0.95
SNR.252012.SYB100MT00	10	1/0.25	0.522	0.70	0.78
SNR.252012.SYB220MT00	22	1/0.25	1.29	0.45	0.48

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SNR.3010 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.3010.BYD1R0NT00	1.0	100/0.25	0.085	1.40	1.45
SNR.3010.BYD1R2NT00	1.2	100/0.25	0.085	1.25	1.45
SNR.3010.BYD1R5NT00	1.5	100/0.25	0.104	1.27	1.30
SNR.3010.BYD2R2NT00	2.2	100/0.25	0.143	1.15	1.09
SNR.3010.BYD2R7NT00	2.7	100/0.25	0.169	1.00	1.02
SNR.3010.BYD3R3NT00	3.3	100/0.25	0.189	0.97	0.96
SNR.3010.BYD3R6NT00	3.6	100/0.25	0.215	0.95	0.90
SNR.3010.BYD4R7MT00	4.7	100/0.25	0.293	0.75	0.77
SNR.3010.BYD5R6MT00	5.6	100/0.25	0.322	0.58	0.70
SNR.3010.BYD6R8MT00	6.8	100/0.25	0.397	0.55	0.66
SNR.3010.BYD8R2MT00	8.2	100/0.25	0.520	0.55	0.58
SNR.3010.BYD100MT00	10	100/0.25	0.520	0.55	0.58
SNR.3010.BYD120MT00	12	100/0.25	0.657	0.43	0.52
SNR.3010.BYD150MT00	15	100/0.25	0.793	0.42	0.47
SNR.3010.BYD220MT00	22	100/0.25	1.209	0.35	0.38
SNR.3010.BYD270MT00	27	100/0.25	1.404	0.30	0.35
SNR.3010.BYD330MT00	33	100/0.25	2.015	0.29	0.30
SNR.3010.BYD390MT00	39	100/0.25	2.275	0.28	0.28
SNR.3010.BYD430MT00	43	100/0.25	2.340	0.23	0.27
SNR.3010.BYD470MT00	47	100/0.25	2.535	0.22	0.26
SNR.3010.BYD510MT00	51	100/0.25	2.860	0.21	0.25
SNR.3010.BYD560MT00	56	100/0.25	3.016	0.21	0.24

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SNR.3012 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.3012.BYDR22NT00	0.22	100/0.25	0.022	5.30	3.00
SNR.3012.BYDR82NT00	0.82	100/0.25	0.039	2.05	2.47
SNR.3012.BYD1R0NT00	1.0	100/0.25	0.052	1.87	2.20
SNR.3012.BYD1R2NT00	1.2	100/0.25	0.059	2.22	2.01
SNR.3012.BYD1R5NT00	1.5	100/0.25	0.059	1.62	2.01
SNR.3012.BYD1R8NT00	1.8	100/0.25	0.082	1.30	1.65
SNR.3012.BYD2R2NT00	2.2	100/0.25	0.098	1.20	1.55
SNR.3012.BYD2R4NT00	2.4	100/0.25	0.088	1.15	1.60
SNR.3012.BYD2R7NT00	2.7	100/0.25	0.110	1.14	1.48
SNR.3012.BYD3R3MT00	3.3	100/0.25	0.130	1.05	1.36
SNR.3012.BYD3R6MT00	3.6	100/0.25	0.130	1.05	1.36
SNR.3012.BYD3R9MT00	3.9	100/0.25	0.189	1.00	1.24
SNR.3012.BYD4R7MT00	4.7	100/0.25	0.156	0.90	1.24
SNR.3012.BYD5R6MT00	5.6	100/0.25	0.226	0.80	1.13
SNR.3012.BYD6R8MT00	6.8	100/0.25	0.247	0.75	0.98
SNR.3012.BYD100MT00	10	100/0.25	0.345	0.60	0.83
SNR.3012.BYD120MT00	12	100/0.25	0.449	0.48	0.73
SNR.3012.BYD150MT00	15	100/0.25	0.468	0.45	0.71
SNR.3012.BYD180MT00	18	100/0.25	0.709	0.43	0.58
SNR.3012.BYD220MT00	22	100/0.25	0.839	0.42	0.53
SNR.3012.BYD270MT00	27	100/0.25	1.131	0.35	0.47
SNR.3012.BYD330MT00	33	100/0.25	1.138	0.36	0.46
SNR.3012.BYD360MT00	36	100/0.25	1.235	0.34	0.44
SNR.3012.BYD390MT00	39	100/0.25	1.729	0.30	0.37
SNR.3012.BYD470MT00	47	100/0.25	1.885	0.27	0.35
SNR.3012.BYD560MT00	56	100/0.25	1.794	0.26	0.28
SNR.3012.BYD680MT00	68	100/0.25	2.171	0.24	0.33
SNR.3012.BYD820MT00	82	100/0.25	3.302	0.17	0.27
SNR.3012.BYD101MT00	100	100/0.25	3.718	0.21	0.25

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

SMD Power Inductors

SNR.3015 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.3015.TYDR50NT00	0.5	100/0.25	0.039	3.90	2.60
SNR.3015.TYD1R0NT00	1.0	100/0.25	0.039	2.32	2.35
SNR.3015.TYD1R2NT00	1.2	100/0.25	0.052	2.21	1.95
SNR.3015.TYD1R5NT00	1.5	100/0.25	0.065	2.30	1.70
SNR.3015.TYD1R8NT00	1.8	100/0.25	0.065	1.75	1.70
SNR.3015.TYD2R2NT00	2.2	100/0.25	0.078	1.60	1.60
SNR.3015.TYD2R7NT00	2.7	100/0.25	0.098	1.52	1.43
SNR.3015.TYD3R3MT00	3.3	100/0.25	0.104	1.32	1.36
SNR.3015.TYD3R6MT00	3.6	100/0.25	0.137	1.28	1.20
SNR.3015.TYD3R9MT00	3.9	100/0.25	0.137	1.20	1.20
SNR.3015.TYD4R3MT00	4.3	100/0.25	0.150	1.20	1.14
SNR.3015.TYD4R7MT00	4.7	100/0.25	0.163	1.10	1.09
SNR.3015.TYD5R1MT00	5.1	100/0.25	0.173	1.00	1.05
SNR.3015.TYD6R2MT00	6.2	100/0.25	0.254	1.00	0.86
SNR.3015.TYD6R8MT00	6.8	100/0.25	0.260	0.85	0.85
SNR.3015.TYD100MT00	10	100/0.25	0.325	0.72	0.77
SNR.3015.TYD120MT00	12	100/0.25	0.416	0.70	0.68
SNR.3015.TYD150MT00	15	100/0.25	0.455	0.66	0.65
SNR.3015.TYD180MT00	18	100/0.25	0.559	0.56	0.59
SNR.3015.TYD220MT00	22	100/0.25	0.598	0.52	0.57
SNR.3015.TYD270MT00	27	100/0.25	0.949	0.48	0.45
SNR.3015.TYD330MT00	33	100/0.25	1.066	0.44	0.43
SNR.3015.TYD390MT00	39	100/0.25	1.294	0.41	0.39
SNR.3015.TYD430MT00	43	100/0.25	1.378	0.37	0.37
SNR.3015.TYD470MT00	47	100/0.25	1.625	0.35	0.35
SNR.3015.TYD560MT00	56	100/0.25	1.664	0.33	0.34
SNR.3015.TYD620MT00	62	100/0.25	2.093	0.30	0.30
SNR.3015.TYD680MT00	68	100/0.25	3.510	0.28	0.23
SNR.3015.TYD101MT00	100	100/0.25	4.043	0.23	0.21
SNR.3015.TYD151MT00	150	100/0.25	4.940	0.18	0.19

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SNR.4010/4012 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.4010.BYD1R0NT00	1.0	100/0.25	0.067	2.00	1.90
SNR.4010.BYD1R5NT00	1.5	100/0.25	0.084	1.68	1.70
SNR.4010.BYD2R2MT00	2.2	100/0.25	0.102	1.20	1.50
SNR.4010.BYD3R3MT00	3.3	100/0.25	0.120	1.10	1.40
SNR.4010.BYD4R7MT00	4.7	100/0.25	0.168	0.95	1.20
SNR.4010.BYD6R8MT00	6.8	100/0.25	0.240	0.80	1.00
SNR.4010.BYD100MT00	10	100/0.25	0.360	0.62	0.75
SNR.4010.BYD150MT00	15	100/0.25	0.516	0.54	0.60
SNR.4010.BYD220MT00	22	100/0.25	0.684	0.45	0.50

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.4012.BYDR82NT00	0.82	100/0.25	0.065	3.02	1.65
SNR.4012.BYD1R0NT00	1.0	100/0.25	0.065	2.61	1.65
SNR.4012.BYD1R5NT00	1.5	100/0.25	0.085	2.10	1.46
SNR.4012.BYD2R2NT00	2.2	100/0.25	0.104	1.76	1.32
SNR.4012.BYD3R3NT00	3.3	100/0.25	0.143	1.72	1.12
SNR.4012.BYD4R3NT00	4.3	100/0.25	0.182	1.58	1.00
SNR.4012.BYD4R7NT00	4.7	100/0.25	0.163	1.15	1.05
SNR.4012.BYD5R6NT00	5.6	100/0.25	0.182	1.00	1.00
SNR.4012.BYD6R8MT00	6.8	100/0.25	0.257	0.85	0.84
SNR.4012.BYD100MT00	10.	100/0.25	0.345	0.80	0.77
SNR.4012.BYD120MT00	12	100/0.25	0.377	0.66	0.70
SNR.4012.BYD150MT00	15	100/0.25	0.442	0.56	0.64
SNR.4012.BYD180MT00	18	100/0.25	0.611	0.55	0.55
SNR.4012.BYD220MT00	22	100/0.25	0.763	0.46	0.49
SNR.4012.BYD330MT00	33	100/0.25	1.053	0.42	0.42
SNR.4012.BYD360MT00	36	100/0.25	1.170	0.40	0.40
SNR.4012.BYD390MT00	39	100/0.25	1.430	0.55	0.37
SNR.4012.BYD470MT00	47	100/0.25	1.430	0.35	0.37
SNR.4012.BYD560MT00	56	100/0.25	1.625	0.33	0.33
SNR.4012.BYD680MT00	68	100/0.25	2.535	0.38	0.27
SNR.4012.BYD820MT00	82	100/0.25	2.782	0.28	0.26
SNR.4012.BYD101MT00	100	100/0.25	2.873	0.25	0.25

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SNR.4018 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.4018.TYDR47NT00	0.47	100/0.25	0.018	4.30	4.00
SNR.4018.TYDR68NT00	0.68	100/0.25	0.026	4.90	3.30
SNR.4018.TYD1R0NT00	1.0	100/0.25	0.033	4.80	2.00
SNR.4018.TYD1R5NT00	1.5	100/0.25	0.039	3.35	1.80
SNR.4018.TYD1R8NT00	1.8	100/0.25	0.044	3.00	2.00
SNR.4018.TYD2R2MT00	2.2	100/0.25	0.059	2.70	1.65
SNR.4018.TYD3R3MT00	3.3	100/0.25	0.091	2.45	1.23
SNR.4018.TYD4R7MT00	4.7	100/0.25	0.117	1.70	1.20
SNR.4018.TYD6R8MT00	6.8	100/0.25	0.143	1.45	1.06
SNR.4018.TYD100MT00	10	100/0.25	0.234	1.30	0.84
SNR.4018.TYD150MT00	15	100/0.25	0.325	0.94	0.65
SNR.4018.TYD220MT00	22	100/0.25	0.468	0.80	0.59
SNR.4018.TYD270MT00	27	100/0.25	0.611	0.47	0.52
SNR.4018.TYD330MT00	33	100/0.25	0.689	0.56	0.49
SNR.4018.TYD470MT00	47	100/0.25	0.845	0.57	0.42
SNR.4018.TYD680MT00	68	100/0.25	1.300	0.47	0.32
SNR.4018.TYD101MT00	100	100/0.25	2.275	0.40	0.25
SNR.4018.TYD151MT00	150	100/0.25	3.250	0.31	0.22
SNR.4018.TYD221MT00	220	100/0.25	5.200	0.27	0.17

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

SMD Power Inductors

SNR.4020 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.4020.TYDR24NT00	0.24	100/0.25	0.014	10.5	4.50
SNR.4020.TYDR33NT00	0.33	100/0.25	0.016	7.50	3.30
SNR.4020.TYDR47NT00	0.47	100/0.25	0.029	7.00	3.30
SNR.4020.TYDR68NT00	0.68	100/0.25	0.036	6.40	2.80
SNR.4020.TYD1R0NT00	1.0	100/0.25	0.038	4.78	2.15
SNR.4020.TYD1R2NT00	1.2	100/0.25	0.038	5.10	2.15
SNR.4020.TYD1R5NT00	1.5	100/0.25	0.046	4.45	1.98
SNR.4020.TYD2R2NT00	2.2	100/0.25	0.052	3.40	1.85
SNR.4020.TYD3R3MT00	3.3	100/0.25	0.091	3.20	1.40
SNR.4020.TYD3R6MT00	3.6	100/0.25	0.072	2.80	1.54
SNR.4020.TYD4R7MT00	4.7	100/0.25	0.098	2.35	1.34
SNR.4020.TYD5R1MT00	5.1	100/0.25	0.111	2.30	1.27
SNR.4020.TYD5R6MT00	5.6	100/0.25	0.117	2.20	1.22
SNR.4020.TYD6R2MT00	6.2	100/0.25	0.150	2.15	1.08
SNR.4020.TYD6R8MT00	6.8	100/0.25	0.163	2.20	1.04
SNR.4020.TYD7R5MT00	7.5	100/0.25	0.150	1.85	1.08
SNR.4020.TYD8R2MT00	8.2	100/0.25	0.163	1.75	1.04
SNR.4020.TYD100MT00	10	100/0.25	0.215	1.60	0.90
SNR.4020.TYD120MT00	12	100/0.25	0.228	1.50	0.88
SNR.4020.TYD150MT00	15	100/0.25	0.299	1.35	0.77
SNR.4020.TYD220MT00	22	100/0.25	0.455	1.05	0.62
SNR.4020.TYD270MT00	27	100/0.25	0.709	1.02	0.50
SNR.4020.TYD330MT00	33	100/0.25	0.715	0.85	0.49
SNR.4020.TYD390MT00	39	100/0.25	0.845	0.82	0.46
SNR.4020.TYD430MT00	43	100/0.25	0.858	0.77	0.45
SNR.4020.TYD470MT00	47	100/0.25	0.923	0.74	0.44
SNR.4020.TYD510MT00	51	100/0.25	0.975	0.70	0.42
SNR.4020.TYD560MT00	56	100/0.25	1.040	0.66	0.41
SNR.4020.TYD620MT00	62	100/0.25	1.170	0.65	0.39
SNR.4020.TYD680MT00	68	100/0.25	1.380	0.61	0.36
SNR.4020.TYD750MT00	75	100/0.25	1.510	0.70	0.35
SNR.4020.TYD820MT00	82	100/0.25	1.520	0.50	0.34
SNR.4020.TYD101MT00	100	100/0.25	2.020	0.48	0.31

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

SOREDE Specifications subject to change without notice.

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SMD Power Inductors

SNR.4030 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.4030.TYDR68NT00	0.68	100/0.25	0.013	6.80	4.56
SNR.4030.TYDR91NT00	0.91	100/0.25	0.017	6.25	4.15
SNR.4030.TYD1R0NT00	1.0	100/0.25	0.018	5.26	4.15
SNR.4030.TYD1R2NT00	1.2	100/0.25	0.020	5.80	3.82
SNR.4030.TYD1R5NT00	1.5	100/0.25	0.026	4.84	3.34
SNR.4030.TYD1R8NT00	1.8	100/0.25	0.033	5.40	3.20
SNR.4030.TYD2R2NT00	2.2	100/0.25	0.039	4.90	2.95
SNR.4030.TYD3R3MT00	3.3	100/0.25	0.052	3.30	2.40
SNR.4030.TYD3R6MT00	3.6	100/0.25	0.052	3.00	2.40
SNR.4030.TYD3R9MT00	3.9	100/0.25	0.074	3.00	2.10
SNR.4030.TYD4R7MT00	4.7	100/0.25	0.078	2.90	2.00
SNR.4030.TYD5R6MT00	5.6	100/0.25	0.085	2.60	1.95
SNR.4030.TYD6R8MT00	6.8	100/0.25	0.117	2.75	1.60
SNR.4030.TYD8R2MT00	8.2	100/0.25	0.125	2.10	1.60
SNR.4030.TYD100MT00	10	100/0.25	0.130	1.95	1.50
SNR.4030.TYD120MT00	12	100/0.25	0.175	1.70	1.30
SNR.4030.TYD150MT00	15	100/0.25	0.247	1.65	1.11
SNR.4030.TYD180MT00	18	100/0.25	0.260	1.40	1.10
SNR.4030.TYD220MT00	22	100/0.25	0.292	1.30	1.00
SNR.4030.TYD270MT00	27	100/0.25	0.338	1.15	0.90
SNR.4030.TYD330MT00	33	100/0.25	0.429	1.10	0.84
SNR.4030.TYD360MT00	36	100/0.25	0.436	1.05	0.83
SNR.4030.TYD390MT00	39	100/0.25	0.566	1.03	0.73
SNR.4030.TYD470MT00	47	100/0.25	0.579	0.95	0.72
SNR.4030.TYD560MT00	56	100/0.25	0.722	0.85	0.65
SNR.4030.TYD680MT00	68	100/0.25	1.128	0.72	0.52
SNR.4030.TYD750MT00	75	100/0.25	1.326	0.70	0.48
SNR.4030.TYD820MT00	82	100/0.25	1.378	0.66	0.47
SNR.4030.TYD101MT00	100	100/0.25	1.495	0.60	0.45
SNR.4030.TYD121MT00	120	100/0.25	1.755	0.55	0.42
SNR.4030.TYD151MT00	150	100/0.25	2.340	0.50	0.30
SNR.4030.TYD221MT00	220	100/0.25	3.250	0.40	0.35
SNR.4030.TYD331MT00	330	100/0.25	5.200	0.30	0.25
SNR.4030.TYD471MT00	470	100/0.25	9.360	0.30	0.20

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

SOREDE Specifications subject to change without notice.

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SMD Power Inductors

SNR.5012/5020 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.5012.BYD1R0NT00	1.0	100/0.25	0.068	4.40	2.00
SNR.5012.BYD1R5NT00	1.5	100/0.25	0.086	3.70	1.90
SNR.5012.BYD2R2NT00	2.2	100/0.25	0.108	3.10	1.70
SNR.5012.BYD3R3NT00	3.3	100/0.25	0.151	2.40	1.40
SNR.5012.BYD4R7NT00	4.7	100/0.25	0.197	2.20	1.30
SNR.5012.BYD6R8MT00	6.8	100/0.25	0.294	1.70	1.00
SNR.5012.BYD100MT00	10	100/0.25	0.413	1.40	0.85
SNR.5012.BYD150MT00	15	100/0.25	0.523	1.20	0.80
SNR.5012.BYD220MT00	22	100/0.25	0.858	0.88	0.60

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.5020.TYDR47NT00	0.47	100/0.25	0.017	6.15	4.60
SNR.5020.TYDR56NT00	0.56	100/0.25	0.022	8.50	3.80
SNR.5020.TYDR68NT00	0.68	100/0.25	0.022	5.50	4.00
SNR.5020.TYD1R0NT00	1.0	100/0.25	0.026	4.10	3.80
SNR.5020.TYD1R2NT00	1.2	100/0.25	0.029	4.50	3.55
SNR.5020.TYD1R5NT00	1.5	100/0.25	0.034	4.10	3.20
SNR.5020.TYD2R2NT00	2.2	100/0.25	0.042	3.20	2.90
SNR.5020.TYD3R3NT00	3.3	100/0.25	0.056	2.55	2.50
SNR.5020.TYD3R6NT00	3.6	100/0.25	0.056	2.80	2.50
SNR.5020.TYD3R9NT00	3.9	100/0.25	0.056	2.30	2.50
SNR.5020.TYD4R3MT00	4.3	100/0.25	0.074	2.50	2.20
SNR.5020.TYD4R7MT00	4.7	100/0.25	0.074	2.50	2.20
SNR.5020.TYD5R6MT00	5.6	100/0.25	0.083	2.30	2.05
SNR.5020.TYD6R8MT00	6.8	100/0.25	0.120	2.05	1.80
SNR.5020.TYD8R2MT00	8.2	100/0.25	0.127	1.85	1.65
SNR.5020.TYD100MT00	10	100/0.25	0.163	1.70	1.55
SNR.5020.TYD150MT00	15	100/0.25	0.215	1.35	1.25
SNR.5020.TYD180MT00	18	100/0.25	0.260	1.25	1.15
SNR.5020.TYD220MT00	22	100/0.25	0.294	1.15	1.10
SNR.5020.TYD330MT00	33	100/0.25	0.507	0.92	0.90
SNR.5020.TYD470MT00	47	100/0.25	0.680	0.77	0.77

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

SOREDE Specifications subject to change without notice.

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◆ SMD Power Inductors

SNR.5040 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.5040.TYD1R0NT00	1.0	100/0.25	0.016	7.35	4.90
SNR.5040.TYD1R2NT00	1.2	100/0.25	0.021	6.50	4.15
SNR.5040.TYD1R5NT00	1.5	100/0.25	0.020	6.30	4.30
SNR.5040.TYD1R8NT00	1.8	100/0.25	0.021	5.50	4.15
SNR.5040.TYD2R2NT00	2.2	100/0.25	0.025	4.90	3.80
SNR.5040.TYD2R7NT00	2.7	100/0.25	0.029	4.30	3.60
SNR.5040.TYD3R0NT00	3.0	100/0.25	0.029	4.15	3.60
SNR.5040.TYD3R3NT00	3.3	100/0.25	0.031	3.95	3.40
SNR.5040.TYD3R6MT00	3.6	100/0.25	0.034	3.80	3.30
SNR.5040.TYD3R9NT00	3.9	100/0.25	0.035	3.55	3.20
SNR.5040.TYD4R7NT00	4.7	100/0.25	0.039	3.50	3.00
SNR.5040.TYD5R6MT00	5.6	100/0.25	0.046	3.00	2.80
SNR.5040.TYD6R8MT00	6.8	100/0.25	0.056	2.90	2.50
SNR.5040.TYD8R2MT00	8.2	100/0.25	0.062	2.70	2.30
SNR.5040.TYD100MT00	10	100/0.25	0.083	2.35	2.10
SNR.5040.TYD150MT00	15	100/0.25	0.112	2.00	2.00
SNR.5040.TYD220MT00	22	100/0.25	0.168	1.60	1.50
SNR.5040.TYD330MT00	33	100/0.25	0.244	1.30	1.20
SNR.5040.TYD470MT00	47	100/0.25	0.354	1.10	1.00
SNR.5040.TYD680MT00	68	100/0.25	0.520	0.90	0.80
SNR.5040.TYD101MT00	100	100/0.25	0.728	0.75	0.70
SNR.5040.TYD151MT00	150	100/0.25	0.975	0.65	0.60
SNR.5040.TYD102MT00	1000	100/0.25	7.800	0.21	0.20

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SNR.6020 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.6020.TYDR50NT00	0.50	100/0.25	0.018	4.50	4.00
SNR.6020.TYDR68NT00	0.68	100/0.25	0.022	6.55	3.80
SNR.6020.TYDR82NT00	0.82	100/0.25	0.022	5.30	3.80
SNR.6020.TYD1R0NT00	1.0	100/0.25	0.020	4.15	3.50
SNR.6020.TYD1R2NT00	1.2	100/0.25	0.029	5.90	3.20
SNR.6020.TYD1R5NT00	1.5	100/0.25	0.029	4.25	3.20
SNR.6020.TYD1R8NT00	1.8	100/0.25	0.036	4.85	2.75
SNR.6020.TYD2R0NT00	2.0	100/0.25	0.046	4.10	2.60
SNR.6020.TYD2R2NT00	2.2	100/0.25	0.036	3.75	2.75
SNR.6020.TYD2R7NT00	2.7	100/0.25	0.046	3.90	2.60
SNR.6020.TYD3R3NT00	3.3	100/0.25	0.046	3.15	2.60
SNR.6020.TYD3R9NT00	3.9	100/0.25	0.064	3.25	2.10
SNR.6020.TYD4R3NT00	4.3	100/0.25	0.064	2.70	2.10
SNR.6020.TYD4R7NT00	4.7	100/0.25	0.075	3.00	2.00
SNR.6020.TYD5R6NT00	5.6	100/0.25	0.075	2.40	1.90
SNR.6020.TYD6R2NT00	6.2	100/0.25	0.103	2.30	1.80
SNR.6020.TYD6R8NT00	6.8	100/0.25	0.103	2.20	1.80
SNR.6020.TYD8R2NT00	8.2	100/0.25	0.137	2.10	1.40
SNR.6020.TYD100MT00	10	100/0.25	0.137	1.75	1.40
SNR.6020.TYD120MT00	12	100/0.25	0.156	1.45	1.30
SNR.6020.TYD150MT00	15	100/0.25	0.189	1.20	1.20
SNR.6020.TYD180MT00	18	100/0.25	0.234	1.20	1.08
SNR.6020.TYD220MT00	22	100/0.25	0.265	1.05	1.00
SNR.6020.TYD330MT00	33	100/0.25	0.390	0.95	0.84
SNR.6020.TYD470MT00	47	100/0.25	0.559	0.70	0.80
SNR.6020.TYD331MT00	330	100/0.25	3.419	0.27	0.33

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SNR.6028 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.6028.TYDR82NT00	0.82	100/0.25	0.016	6.50	5.20
SNR.6028.TYD1R0NT00	1.0	100/0.25	0.013	5.75	5.20
SNR.6028.TYD1R2NT00	1.2	100/0.25	0.017	6.40	4.58
SNR.6028.TYD1R5NT00	1.5	100/0.25	0.017	6.00	4.58
SNR.6028.TYD2R2NT00	2.2	100/0.25	0.026	5.10	3.75
SNR.6028.TYD2R7NT00	2.7	100/0.25	0.026	3.80	3.75
SNR.6028.TYD3R3NT00	3.3	100/0.25	0.033	4.15	3.48
SNR.6028.TYD4R7NT00	4.7	100/0.25	0.039	3.00	3.08
SNR.6028.TYD5R1NT00	5.1	100/0.25	0.056	3.20	2.60
SNR.6028.TYD6R2MT00	6.2	100/0.25	0.061	3.05	2.40
SNR.6028.TYD6R8MT00	6.8	100/0.25	0.061	2.60	2.40
SNR.6028.TYD8R2MT00	8.2	100/0.25	0.072	2.30	2.25
SNR.6028.TYD9R1MT00	9.1	100/0.25	0.096	2.55	2.15
SNR.6028.TYD100MT00	10	100/0.25	0.094	2.04	1.95
SNR.6028.TYD120MT00	12	100/0.25	0.104	1.80	1.85
SNR.6028.TYD150MT00	15	100/0.25	0.163	1.75	1.45
SNR.6028.TYD180MT00	18	100/0.25	0.156	1.52	1.45
SNR.6028.TYD220MT00	22	100/0.25	0.182	1.45	1.40
SNR.6028.TYD270MT00	27	100/0.25	0.202	1.50	1.32
SNR.6028.TYD330MT00	33	100/0.25	0.241	1.35	1.22
SNR.6028.TYD360MT00	36	100/0.25	0.280	1.25	1.13
SNR.6028.TYD390MT00	39	100/0.25	0.293	1.25	1.10
SNR.6028.TYD470MT00	47	100/0.25	0.410	1.15	1.06
SNR.6028.TYD560MT00	56	100/0.25	0.449	1.05	0.89
SNR.6028.TYD680MT00	68	100/0.25	0.468	0.80	0.86
SNR.6028.TYD750MT00	75	100/0.25	0.533	0.90	0.81
SNR.6028.TYD820MT00	82	100/0.25	0.650	0.80	0.70
SNR.6028.TYD101MT00	100	100/0.25	0.650	0.65	0.70
SNR.6028.TYD401MT00	400	100/0.25	2.808	0.30	0.40
SNR.6028.TYD102MT00	1000	100/0.25	7.540	0.18	0.23

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SNR.6045 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.6045.TYDR47NT00	0.47	100/0.25	0.008	15.00	6.50
SNR.6045.TYDR56NT00	0.56	100/0.25	0.008	14.00	6.50
SNR.6045.TYDR68NT00	0.68	100/0.25	0.008	11.00	5.70
SNR.6045.TYDR82NT00	0.82	100/0.25	0.010	10.35	5.90
SNR.6045.TYD1R0NT00	1.0	100/0.25	0.014	9.85	5.14
SNR.6045.TYD1R2NT00	1.2	100/0.25	0.013	8.35	5.40
SNR.6045.TYD1R3NT00	1.3	100/0.25	0.013	8.35	5.40
SNR.6045.TYD1R5NT00	1.5	100/0.25	0.016	8.80	4.95
SNR.6045.TYD1R8NT00	1.8	100/0.25	0.016	7.60	4.95
SNR.6045.TYD2R2NT00	2.2	100/0.25	0.018	6.75	4.60
SNR.6045.TYD2R3NT00	2.3	100/0.25	0.027	6.00	3.50
SNR.6045.TYD2R7NT00	2.7	100/0.25	0.020	5.75	4.30
SNR.6045.TYD3R0NT00	3.0	100/0.25	0.026	5.60	3.80
SNR.6045.TYD3R3NT00	3.3	100/0.25	0.027	5.90	3.70
SNR.6045.TYD3R6NT00	3.6	100/0.25	0.027	5.25	3.70
SNR.6045.TYD4R3MT00	4.3	100/0.25	0.030	4.45	3.50
SNR.6045.TYD4R5MT00	4.5	100/0.25	0.034	4.97	3.30
SNR.6045.TYD4R7MT00	4.7	100/0.25	0.034	4.97	3.30
SNR.6045.TYD5R1MT00	5.1	100/0.25	0.034	4.40	3.30
SNR.6045.TYD5R6MT00	5.6	100/0.25	0.038	4.15	3.15
SNR.6045.TYD6R2MT00	6.2	100/0.25	0.040	4.43	3.00
SNR.6045.TYD6R3MT00	6.3	100/0.25	0.040	4.43	3.00
SNR.6045.TYD6R8MT00	6.8	100/0.25	0.040	3.90	3.00
SNR.6045.TYD7R5MT00	7.5	100/0.25	0.044	3.50	2.90
SNR.6045.TYD8R2MT00	8.2	100/0.25	0.056	3.90	2.60
SNR.6045.TYD9R1MT00	9.1	100/0.25	0.056	3.35	2.60
SNR.6045.TYD100MT00	10	100/0.25	0.062	3.20	2.45
SNR.6045.TYD120MT00	12	100/0.25	0.075	2.80	2.20
SNR.6045.TYD150MT00	15	100/0.25	0.088	2.50	2.05
SNR.6045.TYD180MT00	18	100/0.25	0.105	2.20	1.85
SNR.6045.TYD220MT00	22	100/0.25	0.116	2.05	1.80
SNR.6045.TYD270MT00	27	100/0.25	0.133	1.90	1.65

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SNR.6045 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.6045.TYD300MT00	30	100/0.25	0.172	1.70	1.50
SNR.6045.TYD330MT00	33	100/0.25	0.178	1.65	1.45
SNR.6045.TYD360MT00	36	100/0.25	0.225	1.62	1.40
SNR.6045.TYD390MT00	39	100/0.25	0.234	1.50	1.25
SNR.6045.TYD430MT00	43	100/0.25	0.260	1.63	1.20
SNR.6045.TYD470MT00	47	100/0.25	0.260	1.40	1.20
SNR.6045.TYD510MT00	51	100/0.25	0.269	1.35	1.15
SNR.6045.TYD560MT00	56	100/0.25	0.287	1.30	1.10
SNR.6045.TYD620MT00	62	100/0.25	0.306	1.25	1.10
SNR.6045.TYD680MT00	68	100/0.25	0.376	1.20	1.00
SNR.6045.TYD750MT00	75	100/0.25	0.397	1.15	0.95
SNR.6045.TYD820MT00	82	100/0.25	0.443	1.05	0.90
SNR.6045.TYD910MT00	91	100/0.25	0.467	1.00	0.85
SNR.6045.TYD101MT00	100	100/0.25	0.563	0.95	0.80
SNR.6045.TYD121MT00	120	100/0.25	0.629	0.85	0.77
SNR.6045.TYD151MT00	150	100/0.25	0.754	0.80	0.70
SNR.6045.TYD221MT00	220	100/0.25	1.084	0.70	0.59
SNR.6045.TYD331MT00	330	100/0.25	1.651	0.57	0.57
SNR.6045.TYD471MT00	470	100/0.25	2.340	0.50	0.42
SNR.6045.TYD681MT00	680	100/0.25	3.250	0.42	0.33
SNR.6045.TYD102MT00	1000	100/0.25	5.850	0.30	0.30
SNR.6045.TYD152MT00	1500	100/0.25	8.450	0.24	0.21

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SNR.8040 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.8040.TYDR82NT00	0.82	100/0.25	0.010	13.80	6.30
SNR.8040.TYD1R0NT00	1.0	100/0.25	0.010	9.85	6.30
SNR.8040.TYD1R2NT00	1.2	100/0.25	0.013	9.20	5.65
SNR.8040.TYD1R5NT00	1.5	100/0.25	0.013	8.15	5.65
SNR.8040.TYD2R2NT00	2.2	100/0.25	0.016	7.10	5.15
SNR.8040.TYD3R3NT00	3.3	100/0.25	0.022	6.50	4.40
SNR.8040.TYD4R7NT00	4.7	100/0.25	0.025	5.90	4.10
SNR.8040.TYD5R6NT00	5.6	100/0.25	0.027	6.00	3.85
SNR.8040.TYD6R8MT00	6.8	100/0.25	0.031	4.55	3.60
SNR.8040.TYD8R2MT00	8.2	100/0.25	0.034	4.20	3.45
SNR.8040.TYD100MT00	10	100/0.25	0.038	3.60	3.30
SNR.8040.TYD150MT00	15	100/0.25	0.061	2.95	2.60
SNR.8040.TYD180MT00	18	100/0.25	0.069	2.70	2.40
SNR.8040.TYD220MT00	22	100/0.25	0.090	2.40	2.10
SNR.8040.TYD330MT00	33	100/0.25	0.126	2.05	1.80
SNR.8040.TYD390MT00	39	100/0.25	0.139	1.95	1.70
SNR.8040.TYD430MT00	43	100/0.25	0.147	1.90	1.65
SNR.8040.TYD470MT00	47	100/0.25	0.177	1.75	1.55
SNR.8040.TYD560MT00	56	100/0.25	0.192	1.55	1.45
SNR.8040.TYD620MT00	62	100/0.25	0.237	1.50	1.30
SNR.8040.TYD680MT00	68	100/0.25	0.255	1.45	1.25
SNR.8040.TYD820MT00	82	100/0.25	0.293	1.30	1.15
SNR.8040.TYD101MT00	100	100/0.25	0.377	1.15	1.00
SNR.8040.TYD121MT00	120	100/0.25	0.434	1.05	0.95
SNR.8040.TYD151MT00	150	100/0.25	0.533	1.10	0.85
SNR.8040.TYD181MT00	180	100/0.25	0.676	0.95	0.83
SNR.8040.TYD221MT00	220	100/0.25	0.779	0.85	0.80
SNR.8040.TYD331MT00	330	100/0.25	1.156	0.68	0.64
SNR.8040.TYD471MT00	470	100/0.25	1.625	0.60	0.50
SNR.8040.TYD681MT00	680	100/0.25	2.652	0.50	0.45
SNR.8040.TYD102MT00	1000	100/0.25	3.640	0.40	0.35
SNR.8040.TYD152MT00	1500	100/0.25	6.500	0.32	0.26

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

SMD Power Inductors SNR.8060 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SR8060TYD-2R2N	2.2	100/0.25	0.022	8.00	5.70
SR8060TYD-3R3N	3.3	100/0.25	0.025	7.50	5.00
SR8060TYD-4R7M	4.7	100/0.25	0.032	7.00	4.65
SR8060TYD-6R8M	6.8	100/0.25	0.037	5.90	4.20
SR8060TYD-100M	10	100/0.25	0.042	5.80	3.80
SR8060TYD-150M	15	100/0.25	0.071	4.50	3.10
SR8060TYD-220M	22	100/0.25	0.100	4.30	2.70
SR8060TYD-330M	33	100/0.25	0.162	3.00	2.10
SR8060TYD-470M	47	100/0.25	0.188	2.85	1.80
SR8060TYD-680M	68	100/0.25	0.248	2.50	1.60
SR8060TYD-101M	100	100/0.25	0.380	2.00	1.25
SR8060TYD-221M	220	100/0.25	0.884	1.20	0.82
SR8060TYD-331M	330	100/0.25	1.26	1.05	0.68
SR8060TYD-471M	470	100/0.25	1.76	0.90	0.55
SR8060TYD-681M	680	100/0.25	2.80	0.80	0.50
SR8060TYD-821M	820	100/0.25	3.40	0.70	0.43
SR8060TYD-102M	1000	100/0.25	3.87	0.60	0.37

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

SMD Power Inductors SNR.8065 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.8065.TYD6R8MT00	6.8	100/0.25	0.029	7.50	4.30
SNR.8065.TYD7R8MT00	7.8	100/0.25	0.033	7.00	4.10
SNR.8065.TYD100MT00	10	100/0.25	0.047	6.00	3.20
SNR.8065.TYD150MT00	15	100/0.25	0.064	5.00	2.80
SNR.8065.TYD220MT00	22	100/0.25	0.082	4.00	2.60
SNR.8065.TYD330MT00	33	100/0.25	0.110	3.40	2.20
SNR.8065.TYD470MT00	47	100/0.25	0.163	2.80	1.80
SNR.8065.TYD101MT00	100	100/0.25	0.338	1.90	1.20
SNR.8065.TYD151MT00	150	100/0.25	0.533	1.50	0.92
SNR.8065.TYD102MT00	1000	200/0.25	3.250	0.62	0.38
SNR.8065.TYD152MT00	1500	200/0.25	4.680	0.50	0.29
SNR.8065.TYD103MT00	10000	200/0.25	36.40	0.17	0.11

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current(Isat)t: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SNR.1050 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SNR.1050.TYD4R7NT00	4.7	100/0.25	0.030	10.30	4.60
SNR.1050.TYD6R8MT00	6.8	100/0.25	0.037	9.00	4.20
SNR.1050.TYD100MT00	10	100/0.25	0.048	7.20	3.70
SNR.1050.TYD150MT00	15	100/0.25	0.059	6.00	3.20
SNR.1050.TYD220MT00	22	100/0.25	0.085	4.30	2.70
SNR.1050.TYD330MT00	33	100/0.25	0.104	4.00	2.30
SNR.1050.TYD470MT00	47	100/0.25	0.163	3.30	2.00
SNR.1050.TYD680MT00	68	100/0.25	0.235	3.00	1.80
SNR.1050.TYD101MT00	100	100/0.25	0.338	2.50	1.40
SNR.1050.TYD151MT00	150	100/0.25	0.438	2.00	1.20
SNR.1050.TYD221MT00	220	100/0.25	0.675	1.80	1.00
SNR.1050.TYD331MT00	330	100/0.25	1.10	1.40	0.85
SNR.1050.TYD471MT00	470	100/0.25	1.43	1.20	0.73
SNR.1050.TYD561MT00	560	100/0.25	1.75	1.10	0.68
SNR.1050.TYD681MT00	680	100/0.25	1.98	1.00	0.65
SNR.1050.TYD821MT00	820	100/0.25	2.73	0.90	0.55
SNR.1050.TYD102MT00	1000	100/0.25	3.42	0.80	0.50

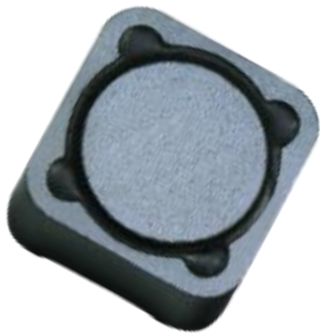
Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Curren(Isat)t: DC current at which the inductance drops approximate 30% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors SDRH Series



FEATURES

- ◆ Excellent solderability and high heat resistance.
- ◆ Magnetically shielded construction.
- ◆ Low cost and packed in embossed carrier tape.

APPLICATIONS

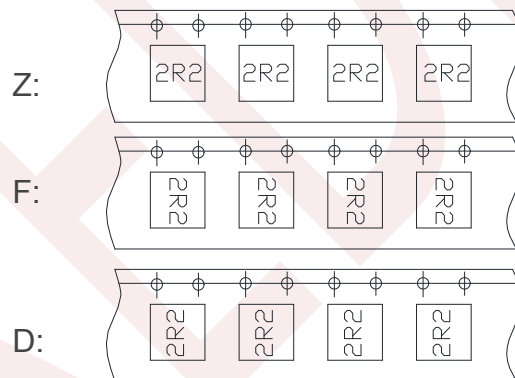
- ◆ Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter.

PRODUCT IDENTIFICATION

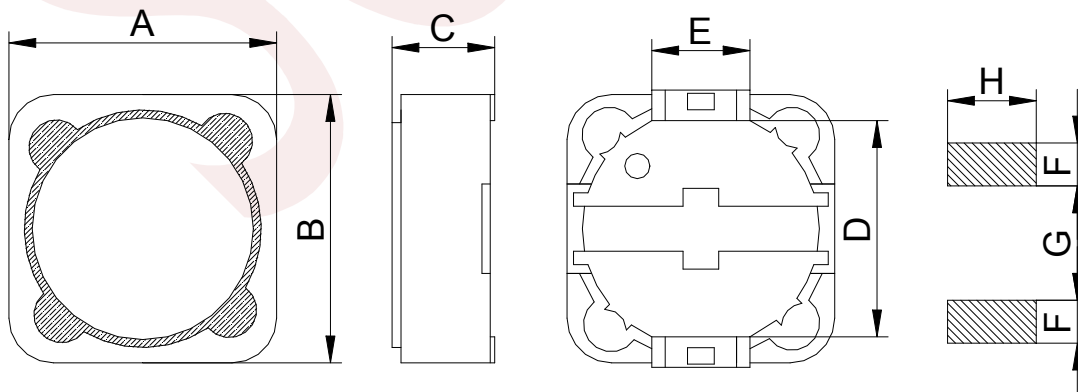
SDRH 1207 L F 100 M I 00
a b c d e f g h

- a: Series name
b: Product dimensions (a x c)
c: Sealing way (L: Cold seal Y: Heat seal)
d: Lettering direction ▶
e: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
f: Inductance Tolerance (K:10% ; M:20% ; N:30%)
g: Package(T:Tape/Reel、B: Bulk)
h: Numbering (standard)

▶ Lettering direction



SHAPES AND DIMENSIONS



◆ SMD Power Inductors

SDRH.0703 Series

SHAPES AND DIMENSIONS

Series	Dimensions(mm)							
	A	B	C Max.	D	E	F Ref.	G Ref.	H Ref.
SDRH.0703	7.3±0.3	7.3±0.3	3.5	5.4±0.2	1.8	1.6	4.8	2.2
SDRH.0704	7.3±0.3	7.3±0.3	4.5	5.4±0.2	1.8	1.6	4.8	2.2
SDRH.1204	12.0±0.3	12.0±0.3	4.5	7.6±0.2	5.0	2.8	7.0	5.4
SDRH.1205	12.0±0.3	12.0±0.3	6.0	7.6±0.2	5.0	2.8	7.0	5.4
SDRH.1207	12.0±0.3	12.0±0.3	8.0	7.6±0.2	5.0	2.8	7.0	5.4
SDRH.1209	12.0±0.3	12.0±0.3	10.0	7.6±0.2	5.0	2.8	7.0	5.4

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.0703.LF1R0NT00	1.0	100/0.25	0.016	7.97
SDRH.0703.LF1R5NT00	1.5	100/0.25	0.023	5.50
SDRH.0703.LF2R2NT00	2.2	100/0.25	0.027	4.50
SDRH.0703.LF3R3NT00	3.3	100/0.25	0.031	4.00
SDRH.0703.LF4R7NT00	4.7	100/0.25	0.048	3.50
SDRH.0703.LF5R6NT00	5.6	100/0.25	0.056	3.00
SDRH.0703.LF6R8NT00	6.8	100/0.25	0.062	2.50
SDRH.0703.LF100NT00	10	100/0.25	0.072	1.68
SDRH.0703.LF150MT00	15	100/0.25	0.130	1.33
SDRH.0703.LF180MT00	18	100/0.25	0.140	1.20
SDRH.0703.LF220MT00	22	100/0.25	0.190	1.07
SDRH.0703.LF330MT00	33	100/0.25	0.240	0.91
SDRH.0703.LF390MT00	39	100/0.25	0.320	0.77
SDRH.0703.LF470MT00	47	100/0.25	0.360	0.76
SDRH.0703.LF680MT00	68	100/0.25	0.520	0.61
SDRH.0703.LF101MT00	100	100/0.25	0.790	0.50
SDRH.0703.LF151MT00	150	100/0.25	1.270	0.43
SDRH.0703.LF181MT00	180	100/0.25	1.450	0.39
SDRH.0703.LF221MT00	220	100/0.25	1.650	0.35
SDRH.0703.LF331MT00	330	100/0.25	2.620	0.28
SDRH.0703.LF391MT00	390	100/0.25	2.940	0.26
SDRH.0703.LF471MT00	470	100/0.25	4.180	0.24
SDRH.0703.LF561MT00	560	100/0.25	4.670	0.22
SDRH.0703.LF681MT00	680	100/0.25	5.730	0.19
SDRH.0703.LF821MT00	820	100/0.25	6.540	0.18
SDRH.0703.LF102MT00	1000	100/0.25	9.440	0.16

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 25% from its value without current;

SOREDE Specifications subject to change without notice.

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SMD Power Inductors

SDRH.0704 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.0704.LF1R0NT00	1.0	100/0.25	0.015	9.00
SDRH.0704.LF1R5NT00	1.5	100/0.25	0.018	7.00
SDRH.0704.LF2R2NT00	2.2	100/0.25	0.028	6.00
SDRH.0704.LF3R3NT00	3.3	100/0.25	0.032	4.80
SDRH.0704.LF3R9NT00	3.9	100/0.25	0.035	4.40
SDRH.0704.LF4R7NT00	4.7	100/0.25	0.038	4.00
SDRH.0704.LF5R6NT00	5.6	100/0.25	0.040	3.50
SDRH.0704.LF6R8NT00	6.8	100/0.25	0.045	3.00
SDRH.0704.LF100NT00	10	100/0.25	0.049	1.84
SDRH.0704.LF120MT00	12	100/0.25	0.058	1.71
SDRH.0704.LF150MT00	15	100/0.25	0.081	1.47
SDRH.0704.LF180MT00	18	100/0.25	0.091	1.31
SDRH.0704.LF220MT00	22	100/0.25	0.110	1.23
SDRH.0704.LF270MT00	27	100/0.25	0.150	1.12
SDRH.0704.LF330MT00	33	100/0.25	0.170	0.96
SDRH.0704.LF390MT00	39	100/0.25	0.230	0.91
SDRH.0704.LF470MT00	47	100/0.25	0.260	0.88
SDRH.0704.LF560MT00	56	100/0.25	0.350	0.80
SDRH.0704.LF680MT00	68	100/0.25	0.380	0.70
SDRH.0704.LF820MT00	82	100/0.25	0.430	0.61
SDRH.0704.LF101MT00	100	100/0.25	0.610	0.60
SDRH.0704.LF121MT00	120	100/0.25	0.660	0.52
SDRH.0704.LF151MT00	150	100/0.25	0.880	0.46
SDRH.0704.LF181MT00	180	100/0.25	0.980	0.42
SDRH.0704.LF221MT00	220	100/0.25	1.170	0.36
SDRH.0704.LF271MT00	270	100/0.25	1.640	0.34
SDRH.0704.LF331MT00	330	100/0.25	1.860	0.32
SDRH.0704.LF391MT00	390	100/0.25	2.850	0.29
SDRH.0704.LF471MT00	470	100/0.25	3.010	0.26
SDRH.0704.LF561MT00	560	100/0.25	3.620	0.23
SDRH.0704.LF681MT00	680	100/0.25	4.630	0.22
SDRH.0704.LF821MT00	820	100/0.25	5.200	0.20
SDRH.0704.LF102MT00	1000	100/0.25	6.000	0.18

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 25% from its value without current;

◆ SMD Power Inductors

SDRH.1204 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.1204.LF3R9MT00	3.9	100/0.25	0.015	6.50
SDRH.1204.LF4R7MT00	4.7	100/0.25	0.018	5.70
SDRH.1204.LF6R8MT00	6.8	100/0.25	0.023	4.90
SDRH.1204.LF8R2MT00	8.2	100/0.25	0.026	4.60
SDRH.1204.LF100MT00	10	100/0.25	0.028	4.50
SDRH.1204.LF120MT00	12	100/0.25	0.038	4.00
SDRH.1204.LF150MT00	15	100/0.25	0.050	3.20
SDRH.1204.LF180MT00	18	100/0.25	0.057	3.10
SDRH.1204.LF220MT00	22	100/0.25	0.066	2.90
SDRH.1204.LF270MT00	27	100/0.25	0.080	2.80
SDRH.1204.LF330MT00	33	100/0.25	0.097	2.70
SDRH.1204.LF390MT00	39	100/0.25	0.132	2.10
SDRH.1204.LF470MT00	47	100/0.25	0.150	1.90
SDRH.1204.LF560MT00	56	100/0.25	0.190	1.80
SDRH.1204.LF680MT00	68	100/0.25	0.220	1.50
SDRH.1204.LF820MT00	82	100/0.25	0.260	1.30
SDRH.1204.LF101MT00	100	100/0.25	0.308	1.20
SDRH.1204.LF121MT00	120	100/0.25	0.380	1.10
SDRH.1204.LF151MT00	150	100/0.25	0.530	0.95
SDRH.1204.LF181MT00	180	100/0.25	0.620	0.85
SDRH.1204.LF221MT00	220	100/0.25	0.700	0.80
SDRH.1204.LF271MT00	270	100/0.25	0.870	0.60
SDRH.1204.LF331MT00	330	100/0.25	0.990	0.50

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 25% from its value without current;

SMD Power Inductors SDRH.1205 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.1205.LF1R3NT00	1.3	100/0.25	0.012	8.00
SDRH.1205.LF2R1NT00	2.1	100/0.25	0.014	7.00
SDRH.1205.LF3R1NT00	3.1	100/0.25	0.017	6.00
SDRH.1205.LF4R4NT00	4.4	100/0.25	0.020	5.00
SDRH.1205.LF5R8NT00	5.8	100/0.25	0.021	4.40
SDRH.1205.LF7R5NT00	7.5	100/0.25	0.024	4.20
SDRH.1205.LF100NT00	10	100/0.25	0.025	4.00
SDRH.1205.LF120MT00	12	100/0.25	0.027	3.50
SDRH.1205.LF150MT00	15	100/0.25	0.030	3.30
SDRH.1205.LF180MT00	18	100/0.25	0.034	3.00
SDRH.1205.LF220MT00	22	100/0.25	0.036	2.80
SDRH.1205.LF270MT00	27	100/0.25	0.051	2.30
SDRH.1205.LF330MT00	33	100/0.25	0.057	2.10
SDRH.1205.LF390MT00	39	100/0.25	0.068	2.00
SDRH.1205.LF470MT00	47	100/0.25	0.075	1.80
SDRH.1205.LF560MT00	56	100/0.25	0.110	1.70
SDRH.1205.LF680MT00	68	100/0.25	0.120	1.50
SDRH.1205.LF820MT00	82	100/0.25	0.140	1.40
SDRH.1205.LF101MT00	100	100/0.25	0.160	1.30
SDRH.1205.LF121MT00	120	100/0.25	0.170	1.10
SDRH.1205.LF151MT00	150	100/0.25	0.230	1.00
SDRH.1205.LF181MT00	180	100/0.25	0.290	0.90
SDRH.1205.LF221MT00	220	100/0.25	0.400	0.80
SDRH.1205.LF271MT00	270	100/0.25	0.460	0.75
SDRH.1205.LF331MT00	330	100/0.25	0.510	0.68
SDRH.1205.LF391MT00	390	100/0.25	0.690	0.65
SDRH.1205.LF471MT00	470	100/0.25	0.770	0.58
SDRH.1205.LF561MT00	560	100/0.25	0.860	0.54
SDRH.1205.LF681MT00	680	100/0.25	1.200	0.48
SDRH.1205.LF821MT00	820	100/0.25	1.340	0.43
SDRH.1205.LF102MT00	1000	100/0.25	1.530	0.40

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 25% from its value without current;

SMD Power Inductors SDRH.1207 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.1207.LF1R2NT00	1.2	100/0.25	0.007	9.80
SDRH.1207.LF2R4NT00	2.4	100/0.25	0.012	8.00
SDRH.1207.LF3R5NT00	3.5	100/0.25	0.014	7.50
SDRH.1207.LF4R7NT00	4.7	100/0.25	0.016	6.80
SDRH.1207.LF6R1NT00	6.1	100/0.25	0.018	6.60
SDRH.1207.LF7R6NT00	7.6	100/0.25	0.020	5.90
SDRH.1207.LF100NT00	10	100/0.25	0.022	5.40
SDRH.1207.LF120MT00	12	100/0.25	0.024	4.90
SDRH.1207.LF150MT00	15	100/0.25	0.030	4.50
SDRH.1207.LF180MT00	18	100/0.25	0.039	3.90
SDRH.1207.LF220MT00	22	100/0.25	0.043	3.60
SDRH.1207.LF270MT00	27	100/0.25	0.046	3.40
SDRH.1207.LF330MT00	33	100/0.25	0.065	3.00
SDRH.1207.LF390MT00	39	100/0.25	0.073	2.75
SDRH.1207.LF470MT00	47	100/0.25	0.100	2.50
SDRH.1207.LF560MT00	56	100/0.25	0.110	2.35
SDRH.1207.LF680MT00	68	100/0.25	0.140	2.10
SDRH.1207.LF820MT00	82	100/0.25	0.160	1.95
SDRH.1207.LF101MT00	100	100/0.25	0.220	1.70
SDRH.1207.LF121MT00	120	100/0.25	0.250	1.60
SDRH.1207.LF151MT00	150	100/0.25	0.280	1.42
SDRH.1207.LF181MT00	180	100/0.25	0.350	1.30
SDRH.1207.LF221MT00	220	100/0.25	0.390	1.16
SDRH.1207.LF271MT00	270	100/0.25	0.560	1.06
SDRH.1207.LF331MT00	330	100/0.25	0.640	0.95
SDRH.1207.LF391MT00	390	100/0.25	0.700	0.88
SDRH.1207.LF471MT00	470	100/0.25	0.980	0.79
SDRH.1207.LF561MT00	560	100/0.25	1.070	0.73
SDRH.1207.LF681MT00	680	100/0.25	1.460	0.67
SDRH.1207.LF821MT00	820	100/0.25	1.640	0.60
SDRH.1207.LF102MT00	1000	100/0.25	1.820	0.55

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 25% from its value without current;

◆ SMD Power Inductors

SDRH.1209 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.1209.LF1R0NT00	1.0	100/0.25	0.006	19.90
SDRH.1209.LF1R8NT00	1.8	100/0.25	0.007	13.40
SDRH.1209.LF2R5NT00	2.5	100/0.25	0.008	12.16
SDRH.1209.LF3R5NT00	3.5	100/0.25	0.010	12.00
SDRH.1209.LF4R7NT00	4.7	100/0.25	0.011	10.08
SDRH.1209.LF6R8NT00	6.8	100/0.25	0.013	8.56
SDRH.1209.LF100NT00	10	100/0.25	0.018	7.12
SDRH.1209.LF120MT00	12	100/0.25	0.019	7.04
SDRH.1209.LF150MT00	15	100/0.25	0.026	5.84
SDRH.1209.LF180MT00	18	100/0.25	0.028	5.48
SDRH.1209.LF220MT00	22	100/0.25	0.029	5.12
SDRH.1209.LF270MT00	27	100/0.25	0.042	4.68
SDRH.1209.LF330MT00	33	100/0.25	0.053	4.25
SDRH.1209.LF390MT00	39	100/0.25	0.058	3.92
SDRH.1209.LF470MT00	47	100/0.25	0.063	3.60
SDRH.1209.LF560MT00	56	100/0.25	0.068	2.85
SDRH.1209.LF680MT00	68	100/0.25	0.093	2.76
SDRH.1209.LF820MT00	82	100/0.25	0.099	2.62
SDRH.1209.LF101MT00	100	100/0.25	0.126	2.31
SDRH.1209.LF121MT00	120	100/0.25	0.154	2.05
SDRH.1209.LF151MT00	150	100/0.25	0.174	1.80
SDRH.1209.LF181MT00	180	100/0.25	0.191	1.66
SDRH.1209.LF221MT00	220	100/0.25	0.246	1.64
SDRH.1209.LF271MT00	270	100/0.25	0.314	1.46
SDRH.1209.LF331MT00	330	100/0.25	0.386	1.28
SDRH.1209.LF391MT00	390	100/0.25	0.428	1.17
SDRH.1209.LF471MT00	470	100/0.25	0.471	1.06
SDRH.1209.LF561MT00	560	100/0.25	0.650	1.01
SDRH.1209.LF681MT00	680	100/0.25	0.730	0.83
SDRH.1209.LF821MT00	820	100/0.25	0.824	0.81
SDRH.1209.LF102MT00	1000	100/0.25	1.220	0.70
SDRH.1209.LF122MT00	1200	100/0.25	1.330	0.64
SDRH.1209.LF152MT00	1500	100/0.25	1.990	0.56
SDRH.1209.LF182MT00	1800	100/0.25	2.180	0.48
SDRH.1209.LF222MT00	2200	100/0.25	2.580	0.43

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 25% from its value without current;

SOREDE Specifications subject to change without notice.

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◆ SMD Power Inductors DRH Series



PRODUCT IDENTIFICATION

SDRH 5D28 L F 100 M T 00
a b c d e f g h

- a: Series name
- b: Product dimensions (a x c)
- c: Sealing way (L: Cold seal Y: Heat seal)
- d: Lettering direction ▶
- e: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
- f: Inductance Tolerance (K:10% ; M:20% ; N:30%)
- g: Package(T:Tape/Reel、B: Bulk)
- h: Numbering (standard)

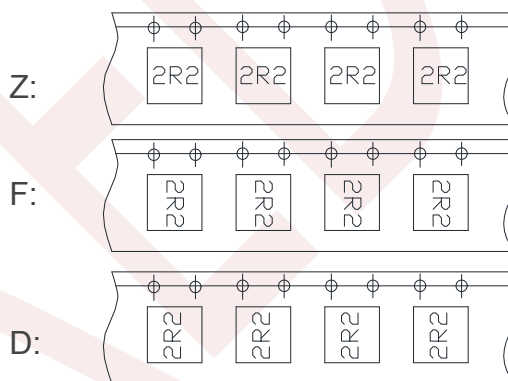
FEATURES

- ◆ Various high power inductors are superior to be high saturation.
- ◆ Suitable for surface mounting equipment.
- ◆ Excellent solderability and high heat resistance.

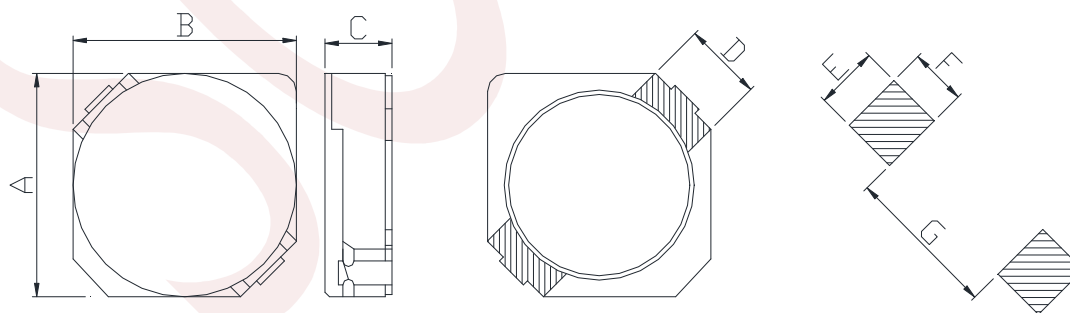
APPLICATIONS

- ◆ Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter.

▶ Lettering direction



SHAPES AND DIMENSIONS



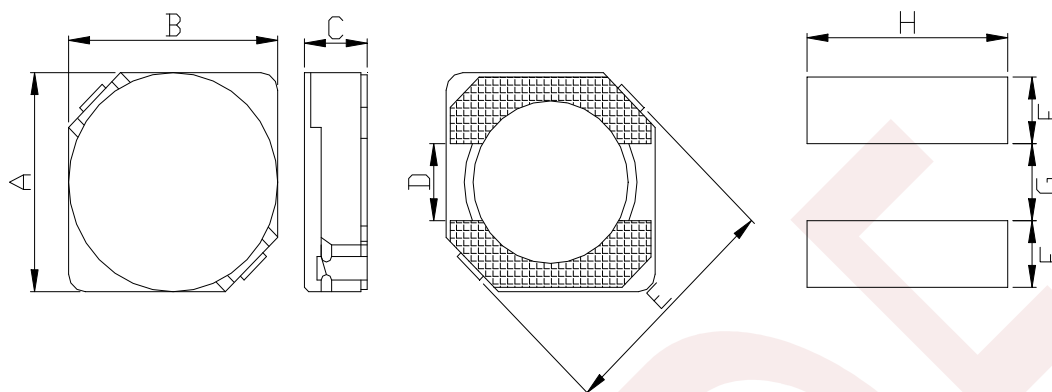
Series	Dimensions(mm)						
	A	B	C Max .	D	E Ref.	F Ref.	G Ref.
SDRH.2D11	3.0±0.2	3.0±0.2	1.3	1.0±0.2	1.3	1.3	1.7
SDRH.2D14	3.0±0.2	3.0±0.2	1.6	1.0±0.2	1.3	1.3	1.7
SDRH.2D18	3.0±0.2	3.0±0.2	2.0	1.0±0.2	1.3	1.3	1.7
SDRH.3D11	3.8±0.2	3.8±0.2	1.3	1.1±0.2	1.5	1.4	2.4

SOREDE Specifications subject to change without notice.

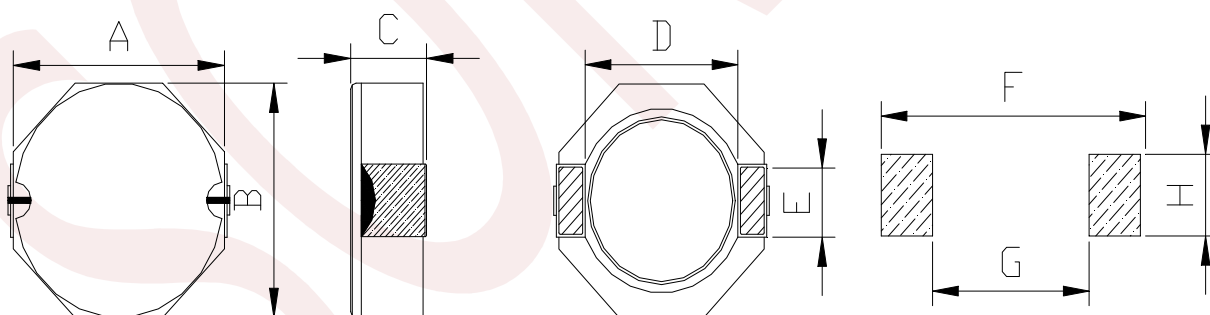
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◆ SMD Power Inductors SDRH Series

SHAPES AND DIMENSIONS



Series	Dimensions(mm)							
	A	B	C Max .	D	E	F Ref.	G Ref.	H Ref.
SDRH.3D16	3.8±0.2	3.8±0.2	1.8	1.15	5.2	1.6	1.2	4.4
SDRH.3D18	3.8±0.2	3.8±0.2	2.0	1.15	5.2	1.6	1.2	4.4
SDRH.3D28	3.8±0.2	3.8±0.2	3.1	1.15	5.2	1.6	1.2	4.4
SDRH.4D18	4.7±0.3	4.7±0.3	2.0	1.50	6.9	1.9	1.5	5.3
SDRH.4D28	4.7±0.3	4.7±0.3	3.0	1.50	6.9	1.9	1.5	5.3
SDRH.5D18	5.7±0.3	5.7±0.3	2.0	2.00	8.2	2.15	2.0	6.3
SDRH.5D28	5.7±0.3	5.7±0.3	3.0	2.00	8.2	2.15	2.0	6.3
SDRH.6D28	6.7±0.3	6.7±0.3	3.0	2.00	9.5	2.65	2.0	7.3
SDRH.6D38	6.7±0.3	6.7±0.3	4.0	2.00	9.5	2.65	2.0	7.3



Series	Dimensions(mm)							
	A	B	C Max .	D	E	F Ref.	G Ref.	H Ref.
SDRH.8D28	8.0±0.3	8.0±0.3	3.0 Max.	6.3	2.5	10.1	6.1	2.8
SDRH.8D38	8.0±0.3	8.0±0.3	4.0 Max.	6.3	2.5	10.1	6.1	2.8
SDRH.8D43	8.0±0.3	8.0±0.3	4.5 Max.	6.3	2.5	10.1	6.1	2.8

◆ SMD Power Inductors

SDRH.2D11/2D14/2D18 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.2D11.LF1R5NT00	1.5	100/0.25	0.068	0.90
SDRH.2D11.LF2R2NT00	2.2	100/0.25	0.098	0.78
SDRH.2D11.LF3R3NT00	3.3	100/0.25	0.123	0.60
SDRH.2D11.LF4R7NT00	4.7	100/0.25	0.170	0.50
SDRH.2D11.LF6R8NT00	6.8	100/0.25	0.260	0.44
SDRH.2D11.LF100NT00	10	100/0.25	0.400	0.35

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.2D14.LF1R2NT00	1.2	100/0.25	0.049	1.95
SDRH.2D14.LF1R5NT00	1.5	100/0.25	0.063	1.80
SDRH.2D14.LF1R8NT00	1.8	100/0.25	0.075	1.65
SDRH.2D14.LF2R2NT00	2.2	100/0.25	0.094	1.50
SDRH.2D14.LF2R7NT00	2.7	100/0.25	0.106	1.35
SDRH.2D14.LF3R3NT00	3.3	100/0.25	0.125	1.20
SDRH.2D14.LF3R9NT00	3.9	100/0.25	0.138	1.10
SDRH.2D14.LF4R7NT00	4.7	100/0.25	0.169	1.00
SDRH.2D14.LF5R6NT00	5.6	100/0.25	0.188	0.95
SDRH.2D14.LF6R8NT00	6.8	100/0.25	0.213	0.85
SDRH.2D14.LF8R2NT00	8.2	100/0.25	0.281	0.80
SDRH.2D14.LF100NT00	10	100/0.25	0.294	0.70
SDRH.2D14.LF120NT00	12	100/0.25	0.394	0.62

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.2D18.LF2R2NT00	2.2	100/0.25	0.041	0.85
SDRH.2D18.LF3R3NT00	3.3	100/0.25	0.054	0.75
SDRH.2D18.LF4R7NT00	4.7	100/0.25	0.078	0.63
SDRH.2D18.LF6R8NT00	6.8	100/0.25	0.106	0.52
SDRH.2D18.LF100NT00	10	100/0.25	0.180	0.43
SDRH.2D18.LF150NT00	15	100/0.25	0.220	0.35
SDRH.2D18.LF220NT00	22	100/0.25	0.320	0.30
SDRH.2D18.LF330NT00	33	100/0.25	0.460	0.24
SDRH.2D18.LF470NT00	47	100/0.25	0.660	0.20

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 35% from its value without current;

◆ SMD Power Inductors

SDRH.3D11/3D16 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.3D11.LF2R7NT00	2.7	100/0.25	0.078	0.53
SDRH.3D11.LF4R7NT00	4.7	100/0.25	0.123	0.40
SDRH.3D11.LF6R8NT00	6.8	100/0.25	0.180	0.34
SDRH.3D11.LF8R2NT00	8.2	100/0.25	0.204	0.32
SDRH.3D11.LF100NT00	10.	100/0.25	0.240	0.28
SDRH.3D11.LF120NT00	12	100/0.25	0.276	0.25
SDRH.3D11.LF150NT00	15	100/0.25	0.372	0.23
SDRH.3D11.LF180NT00	18	100/0.25	0.468	0.21
SDRH.3D11.LF220NT00	22	100/0.25	0.540	0.19
SDRH.3D11.LF270NT00	27	100/0.25	0.726	0.17
SDRH.3D11.LF330NT00	33	100/0.25	0.822	0.15
SDRH.3D11.LF390NT00	39	100/0.25	0.942	0.14

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.3D16.LFR47NT00	0.47	100/0.25	0.035	2.75
SDRH.3D16.LF1R0NT00	1.0	100/0.25	0.050	1.90
SDRH.3D16.LF1R5NT00	1.5	100/0.25	0.052	1.55
SDRH.3D16.LF2R2NT00	2.2	100/0.25	0.072	1.20
SDRH.3D16.LF3R3NT00	3.3	100/0.25	0.085	1.10
SDRH.3D16.LF4R7NT00	4.7	100/0.25	0.105	0.90
SDRH.3D16.LF6R8NT00	6.8	100/0.25	0.170	0.73
SDRH.3D16.LF100NT00	10	100/0.25	0.210	0.55
SDRH.3D16.LF150NT00	15	100/0.25	0.295	0.45
SDRH.3D16.LF220NT00	22	100/0.25	0.430	0.40
SDRH.3D16.LF330NT00	33	100/0.25	0.675	0.32

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 35% from its value without current;

◆ SMD Power Inductors SDRH.3D18/3D28 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.3D18.LF1R0NT00	1.0	100	0.050	2.80
SDRH.3D18.LF2R2NT00	2.2	100	0.063	1.80
SDRH.3D18.LF3R0NT00	3.0	100	0.069	1.60
SDRH.3D18.LF4R7NT00	4.7	100	0.108	1.35
SDRH.3D18.LF6R8NT00	6.8	100	0.150	1.10
SDRH.3D18.LF100NT00	10	100	0.205	0.90
SDRH.3D18.LF120NT00	12	100	0.275	0.80
SDRH.3D18.LF150NT00	15	100	0.302	0.75
SDRH.3D18.LF220NT00	22	100	0.424	0.60
SDRH.3D18.LF330NT00	33	100	0.640	0.50
SDRH.3D18.LF470NT00	47	100	0.964	0.40

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.3D28.LF100NT00	10	100	0.092	0.50
SDRH.3D28.LF120NT00	12	100	0.100	0.45
SDRH.3D28.LF150NT00	15	100	0.113	0.40
SDRH.3D28.LF180NT00	18	100	0.125	0.35
SDRH.3D28.LF220NT00	22	100	0.146	0.33
SDRH.3D28.LF270NT00	27	100	0.176	0.29
SDRH.3D28.LF330NT00	33	100	0.214	0.28
SDRH.3D28.LF390NT00	39	100	0.225	0.25
SDRH.3D28.LF470NT00	47	100	0.304	0.23
SDRH.3D28.LF560NT00	56	100	0.324	0.20
SDRH.3D28.LF680NT00	68	100	0.472	0.18
SDRH.3D28.LF820NT00	82	100	0.539	0.17
SDRH.3D28.LF101MT00	100	100	0.608	0.16
SDRH.3D28.LF121MT00	120	100	0.757	0.13
SDRH.3D28.LF151MT00	150	100	0.882	0.12
SDRH.3D28.LF181MT00	180	100	1.130	0.11
SDRH.3D28.LF221MT00	220	100	1.269	0.10

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 35% from its value without current;

◆ SMD Power Inductors

SDRH.4D18 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.4D18.LF1R0NT00	1.0	100/0.25	0.045	1.72
SDRH.4D18.LF2R2NT00	2.2	100/0.25	0.075	1.32
SDRH.4D18.LF2R7NT00	2.7	100/0.25	0.105	1.28
SDRH.4D18.LF3R3NT00	3.3	100/0.25	0.110	1.04
SDRH.4D18.LF3R9NT00	3.9	100/0.25	0.155	0.88
SDRH.4D18.LF4R7NT00	4.7	100/0.25	0.162	0.84
SDRH.4D18.LF5R6NT00	5.6	100/0.25	0.170	0.80
SDRH.4D18.LF6R8NT00	6.8	100/0.25	0.200	0.76
SDRH.4D18.LF8R2NT00	8.2	100/0.25	0.245	0.68
SDRH.4D18.LF100NT00	10	100/0.25	0.200	0.61
SDRH.4D18.LF120NT00	12	100/0.25	0.210	0.56
SDRH.4D18.LF150NT00	15	100/0.25	0.240	0.50
SDRH.4D18.LF180NT00	18	100/0.25	0.338	0.48
SDRH.4D18.LF220NT00	22	100/0.25	0.397	0.41
SDRH.4D18.LF270NT00	27	100/0.25	0.441	0.35
SDRH.4D18.LF330NT00	33	100/0.25	0.694	0.32
SDRH.4D18.LF390NT00	39	100/0.25	0.709	0.30
SDRH.4D18.LF470NT00	47	100/0.25	0.922	0.28
SDRH.4D18.LF560NT00	56	100/0.25	1.080	0.26
SDRH.4D18.LF680NT00	68	100/0.25	1.300	0.24
SDRH.4D18.LF820NT00	82	100/0.25	1.550	0.22
SDRH.4D18.LF101MT00	100	100/0.25	1.730	0.20
SDRH.4D18.LF121MT00	120	100/0.25	2.390	0.18
SDRH.4D18.LF151MT00	150	100/0.25	2.670	0.15
SDRH.4D18.LF181MT00	180	100/0.25	4.000	0.14

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 35% from its value without current;

◆ SMD Power Inductors

SDRH.4D28 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.4D28.LF1R2NT00	1.2	100/0.25	0.024	2.56
SDRH.4D28.LF1R8NT00	1.8	100/0.25	0.028	2.20
SDRH.4D28.LF2R2NT00	2.2	100/0.25	0.031	2.04
SDRH.4D28.LF2R7NT00	2.7	100/0.25	0.043	1.60
SDRH.4D28.LF3R3NT00	3.3	100/0.25	0.049	1.57
SDRH.4D28.LF3R9NT00	3.9	100/0.25	0.065	1.44
SDRH.4D28.LF4R7NT00	4.7	100/0.25	0.072	1.32
SDRH.4D28.LF5R6NT00	5.6	100/0.25	0.101	1.17
SDRH.4D28.LF6R8NT00	6.8	100/0.25	0.109	1.12
SDRH.4D28.LF8R2NT00	8.2	100/0.25	0.118	1.04
SDRH.4D28.LF100NT00	10	100/0.25	0.128	1.00
SDRH.4D28.LF120NT00	12	100/0.25	0.132	0.84
SDRH.4D28.LF150NT00	15	100/0.25	0.149	0.76
SDRH.4D28.LF180NT00	18	100/0.25	0.166	0.72
SDRH.4D28.LF220NT00	22	100/0.25	0.235	0.70
SDRH.4D28.LF270NT00	27	100/0.25	0.261	0.58
SDRH.4D28.LF330NT00	33	100/0.25	0.378	0.56
SDRH.4D28.LF390NT00	39	100/0.25	0.384	0.50
SDRH.4D28.LF470NT00	47	100/0.25	0.587	0.48
SDRH.4D28.LF560NT00	56	100/0.25	0.625	0.41
SDRH.4D28.LF680NT00	68	100/0.25	0.699	0.35
SDRH.4D28.LF820NT00	82	100/0.25	0.915	0.32
SDRH.4D28.LF101MT00	100	100/0.25	1.020	0.29
SDRH.4D28.LF121MT00	120	100/0.25	1.270	0.27
SDRH.4D28.LF151MT00	150	100/0.25	1.350	0.24
SDRH.4D28.LF181MT00	180	100/0.25	1.540	0.22
SDRH.4D28.LF221MT00	220	100/0.25	1.720	0.20
SDRH.4D28.LF271MT00	270	100/0.25	1.950	0.16
SDRH.4D28.LF331MT00	330	100/0.25	2.660	0.14
SDRH.4D28.LF391MT00	390	100/0.25	2.830	0.13

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 35% from its value without current;

◆ SMD Power Inductors

SDRH.5D18/5D28 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.5D18.LF4R1NT00	4.1	100/0.25	0.057	1.95
SDRH.5D18.LF6R2NT00	6.2	100/0.25	0.096	1.40
SDRH.5D18.LF100NT00	10	100/0.25	0.124	1.20
SDRH.5D18.LF120NT00	12	100/0.25	0.153	1.10
SDRH.5D18.LF150NT00	15	100/0.25	0.196	0.97
SDRH.5D18.LF180NT00	18	100/0.25	0.210	0.85
SDRH.5D18.LF220NT00	22	100/0.25	0.290	0.80
SDRH.5D18.LF330NT00	33	100/0.25	0.386	0.65
SDRH.5D18.LF470NT00	47	100/0.25	0.595	0.54
SDRH.5D18.LF680NT00	68	100/0.25	0.840	0.43
SDRH.5D18.LF820NT00	82	100/0.25	0.978	0.41
SDRH.5D18.LF101MT00	100	100/0.25	1.200	0.36
SDRH.5D18.LF121MT00	120	100/0.25	1.500	0.33
SDRH.5D18.LF151MT00	150	100/0.25	1.710	0.31
SDRH.5D18.LF181MT00	180	100/0.25	2.240	0.28

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.5D28.LF1R0NT00	1.0	100/0.25	0.015	2.80
SDRH.5D28.LF2R2NT00	2.2	100/0.25	0.023	2.60
SDRH.5D28.LF5R6NT00	5.6	100/0.25	0.038	1.90
SDRH.5D28.LF8R2NT00	8.2	100/0.25	0.053	1.60
SDRH.5D28.LF100NT00	10	100/0.25	0.065	1.30
SDRH.5D28.LF120NT00	12	100/0.25	0.076	1.20
SDRH.5D28.LF180NT00	18	100/0.25	0.110	1.00
SDRH.5D28.LF220NT00	22	100/0.25	0.122	0.90
SDRH.5D28.LF330NT00	33	100/0.25	0.189	0.75
SDRH.5D28.LF470NT00	47	100/0.25	0.260	0.62
SDRH.5D28.LF680NT00	68	100/0.25	0.355	0.52
SDRH.5D28.LF101MT00	100	100/0.25	0.520	0.42
SDRH.5D28.LF151MT00	150	100/0.25	0.680	0.35
SDRH.5D28.LF181MT00	180	100/0.25	0.930	0.32
SDRH.5D28.LF221MT00	220	100/0.25	1.150	0.30
SDRH.5D28.LF271MT00	270	100/0.25	1.560	0.27
SDRH.5D28.LF331MT00	330	100/0.25	1.980	0.25

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 35% from its value without current;

SOREDE Specifications subject to change without notice.

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◆ SMD Power Inductors

SDRH.6D28 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.6D28.LF3R0NT00	3.0	100/0.25	0.024	3.00
SDRH.6D28.LF3R9NT00	3.9	100/0.25	0.027	2.60
SDRH.6D28.LF5R0NT00	5.0	100/0.25	0.031	2.40
SDRH.6D28.LF6R0NT00	6.0	100/0.25	0.035	2.25
SDRH.6D28.LF7R3NT00	7.3	100/0.25	0.054	2.10
SDRH.6D28.LF8R6NT00	8.6	100/0.25	0.058	1.85
SDRH.6D28.LF100NT00	10	100/0.25	0.065	1.70
SDRH.6D28.LF120NT00	12	100/0.25	0.070	1.55
SDRH.6D28.LF150NT00	15	100/0.25	0.084	1.40
SDRH.6D28.LF180NT00	18	100/0.25	0.095	1.32
SDRH.6D28.LF220NT00	22	100/0.25	0.128	1.20
SDRH.6D28.LF270NT00	27	100/0.25	0.142	1.05
SDRH.6D28.LF330NT00	33	100/0.25	0.165	0.97
SDRH.6D28.LF390NT00	39	100/0.25	0.210	0.86
SDRH.6D28.LF470NT00	47	100/0.25	0.238	0.80
SDRH.6D28.LF560NT00	56	100/0.25	0.277	0.73
SDRH.6D28.LF680NT00	68	100/0.25	0.304	0.65
SDRH.6D28.LF820NT00	82.0	100/0.25	0.390	0.60
SDRH.6D28.LF101MT00	100	100/0.25	0.535	0.54
SDRH.6D28.LF121MT00	120	100/0.25	0.750	0.51
SDRH.6D28.LF151MT00	150	100/0.25	0.950	0.47
SDRH.6D28.LF181MT00	180	100/0.25	1.200	0.41
SDRH.6D28.LF221MT00	220	100/0.25	1.500	0.37
SDRH.6D28.LF271MT00	270	100/0.25	1.700	0.33
SDRH.6D28.LF331MT00	330	100/0.25	2.150	0.28
SDRH.6D28.LF391MT00	390	100/0.25	2.250	0.27
SDRH.6D28.LF471MT00	470	100/0.25	3.150	0.21

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 35% from its value without current;

◆ SMD Power Inductors

SDRH.6D38 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.6D38.LF3R0NT00	3.0	100/0.25	0.020	3.50
SDRH.6D38.LF5R0NT00	5.0	100/0.25	0.024	2.90
SDRH.6D38.LF6R2NT00	6.2	100/0.25	0.027	2.50
SDRH.6D38.LF7R3NT00	7.3	100/0.25	0.031	2.30
SDRH.6D38.LF8R6NT00	8.6	100/0.25	0.034	2.20
SDRH.6D38.LF100NT00	10	100/0.25	0.038	2.00
SDRH.6D38.LF120NT00	12	100/0.25	0.053	1.70
SDRH.6D38.LF150NT00	15	100/0.25	0.057	1.60
SDRH.6D38.LF180NT00	18	100/0.25	0.092	1.50
SDRH.6D38.LF220NT00	22	100/0.25	0.096	1.30
SDRH.6D38.LF270NT00	27	100/0.25	0.109	1.20
SDRH.6D38.LF330NT00	33	100/0.25	0.124	1.10
SDRH.6D38.LF390NT00	39	100/0.25	0.138	1.00
SDRH.6D38.LF470NT00	47	100/0.25	0.155	0.95
SDRH.6D38.LF560NT00	56	100/0.25	0.202	0.85
SDRH.6D38.LF680NT00	68	100/0.25	0.234	0.75
SDRH.6D38.LF820NT00	82	100/0.25	0.324	0.70
SDRH.6D38.LF101MT00	100	100/0.25	0.358	0.65
SDRH.6D38.LF121MT00	120	100/0.25	0.470	0.59
SDRH.6D38.LF151MT00	150	100/0.25	0.580	0.54
SDRH.6D38.LF181MT00	180	100/0.25	0.690	0.49
SDRH.6D38.LF221MT00	220	100/0.25	0.890	0.43
SDRH.6D38.LF271MT00	270	100/0.25	1.290	0.40
SDRH.6D38.LF331MT00	330	100/0.25	1.700	0.37
SDRH.6D38.LF391MT00	390	100/0.25	1.750	0.34
SDRH.6D38.LF471MT00	470	100/0.25	2.200	0.32
SDRH.6D38.LF561MT00	560	100/0.25	2.850	0.29
SDRH.6D38.LF681MT00	680	100/0.25	3.200	0.25

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 35% from its value without current;

SMD Power Inductors SDRH.8D28/8D38 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.8D28.LF1R0NT00	1.0	100/0.25	0.011	6.50
SDRH.8D28.LF2R5NT00	2.5	100/0.25	0.016	4.50
SDRH.8D28.LF3R3NT00	3.3	100/0.25	0.019	4.00
SDRH.8D28.LF4R7NT00	4.7	100/0.25	0.025	3.40
SDRH.8D28.LF7R3NT00	7.3	100/0.25	0.039	2.80
SDRH.8D28.LF100NT00	10	100/0.25	0.047	2.50
SDRH.8D28.LF150NT00	15	100/0.25	0.069	1.90
SDRH.8D28.LF220NT00	22	100/0.25	0.099	1.60
SDRH.8D28.LF330NT00	33	100/0.25	0.156	1.30
SDRH.8D28.LF470NT00	47	100/0.25	0.195	1.15
SDRH.8D28.LF680NT00	68	100/0.25	0.286	0.92
SDRH.8D28.LF101MT00	100	100/0.25	0.430	0.75

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.8D38.LF1R8NT00	1.8	100/0.25	0.016	7.00
SDRH.8D38.LF2R5NT00	2.5	100/0.25	0.018	6.50
SDRH.8D38.LF3R3NT00	3.3	100/0.25	0.024	5.00
SDRH.8D38.LF4R7NT00	4.7	100/0.25	0.029	4.60
SDRH.8D38.LF6R0NT00	6.0	100/0.25	0.032	4.20
SDRH.8D38.LF100NT00	10	100/0.25	0.048	3.00
SDRH.8D38.LF150NT00	15	100/0.25	0.067	2.75
SDRH.8D38.LF220NT00	22	100/0.25	0.105	2.30
SDRH.8D38.LF330NT00	33	100/0.25	0.157	1.75
SDRH.8D38.LF470NT00	47	100/0.25	0.189	1.52
SDRH.8D38.LF680NT00	68	100/0.25	0.290	1.30
SDRH.8D38.LF101MT00	100	100/0.25	0.410	1.05

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 35% from its value without current;

SMD Power Inductors SDRH.8D43 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SDRH.8D43.LF1R0NT00	1.0	100/0.25	0.010	8.50
SDRH.8D43.LF1R2NT00	1.2	100/0.25	0.013	8.00
SDRH.8D43.LF2R2NT00	2.2	100/0.25	0.014	7.00
SDRH.8D43.LF3R9NT00	3.9	100/0.25	0.019	5.90
SDRH.8D43.LF4R7NT00	4.7	100/0.25	0.022	5.60
SDRH.8D43.LF6R8NT00	6.8	100/0.25	0.025	4.40
SDRH.8D43.LF100NT00	10	100/0.25	0.036	4.00
SDRH.8D43.LF150NT00	15	100/0.25	0.053	2.90
SDRH.8D43.LF220NT00	22	100/0.25	0.075	2.60
SDRH.8D43.LF330NT00	33	100/0.25	0.125	2.20
SDRH.8D43.LF470NT00	47	100/0.25	0.150	1.80
SDRH.8D43.LF680NT00	68	100/0.25	0.240	1.50
SDRH.8D43.LF101MT00	100	100/0.25	0.360	1.30

Note:

Tolerance : N:±30% , M:±20% , K:±10%

IDC: DC current at which the inductance drops approximate 35% from its value without current;

◆ SMD Power Inductors SDRH Series



FEATURES

- ◆ Various high power inductors are superior to be high saturation.
- ◆ Suitable for surface mounting equipment.
- ◆ Excellent solderability and high heat resistance.

PRODUCT IDENTIFICATION

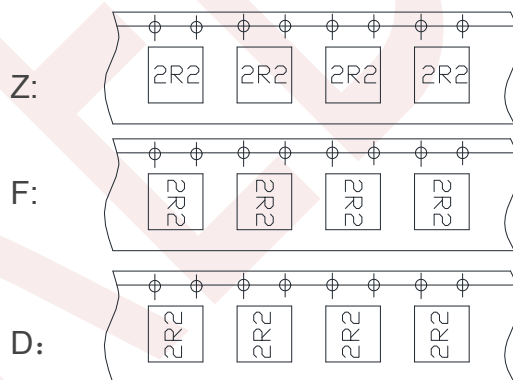
SDRH 103R L F 100 M I 00
a b c d e f g h

- a: Series name
b: Product dimensions (a x c)
c: Sealing way (L: Cold seal Y: Heat seal)
d: Lettering direction ▶
e: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
f: Inductance Tolerance (K:10% ; M:20% ; N:30%)
g: Package(T:Tape/Reel、B: Bulk)
h: Numbering (standard)

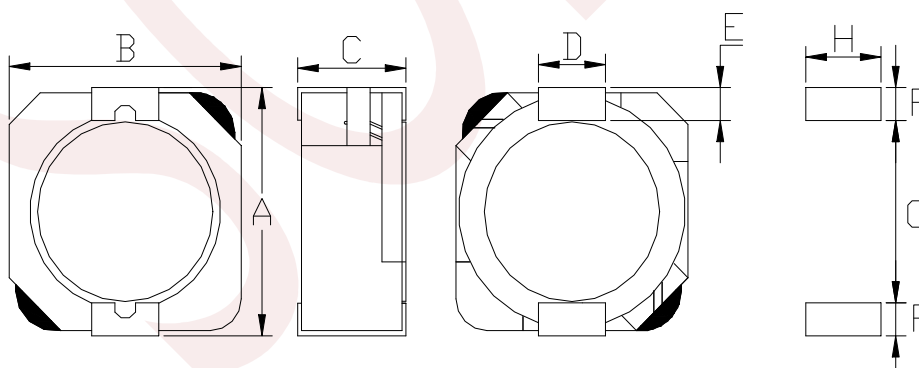
APPLICATIONS

- ◆ Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter.

▶ Lettering direction



SHAPES AND DIMENSIONS



Series	Dimensions(mm)							
	A	B	C Max .	D	E	F Ref.	G Ref.	H Ref.
SDRH.103R	10.2±0.3	10.0±0.3	2.8±0.3	3.0	1.2	1.6	7.3	3.2
SDRH.104R	10.2±0.3	10.0±0.3	3.8±0.3	3.0	1.2	1.6	7.3	3.2
SDRH.105R	10.2±0.3	10.0±0.3	4.8±0.3	3.0	1.2	1.6	7.3	3.2

SMD Power Inductors SDRH.103R Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SDRH.103R.LFR80NT00	0.8	100/0.25	0.006	11.20	8.30
SDRH.103R.LF1R5NT00	1.5	100/0.25	0.011	8.00	5.80
SDRH.103R.LF2R2NT00	2.2	100/0.25	0.017	6.70	5.10
SDRH.103R.LF3R3NT00	3.3	100/0.25	0.021	5.56	4.70
SDRH.103R.LF4R7NT00	4.7	100/0.25	0.030	4.65	4.00
SDRH.103R.LF6R8NT00	6.8	100/0.25	0.035	3.84	3.60
SDRH.103R.LF8R2NT00	8.2	100/0.25	0.050	3.54	3.00
SDRH.103R.LF100NT00	10	100/0.25	0.059	3.18	2.80
SDRH.103R.LF150NT00	15	100/0.25	0.091	2.60	2.05
SDRH.103R.LF220NT00	22	100/0.25	0.143	2.16	1.60
SDRH.103R.LF330NT00	33	100/0.25	0.202	1.74	1.35
SDRH.103R.LF470NT00	47	100/0.25	0.299	1.43	1.20
SDRH.103R.LF560NT00	56	100/0.25	0.325	1.36	1.15
SDRH.103R.LF680NT00	68	100/0.25	0.429	1.22	0.95
SDRH.103R.LF820NT00	82	100/0.25	0.494	1.14	0.80
SDRH.103R.LF101MT00	100	100/0.25	0.683	1.02	0.70
SDRH.103R.LF121MT00	120	100/0.25	0.754	0.89	0.65
SDRH.103R.LF151MT00	150	100/0.25	0.871	0.84	0.51

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 35% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SDRH.104R Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SDRH.104R.LF1R5NT00	1.5	100/0.25	0.008	10.00	6.50
SDRH.104R.LF2R7NT00	2.7	100/0.25	0.011	7.50	6.10
SDRH.104R.LF3R9NT00	3.9	100/0.25	0.013	6.00	5.50
SDRH.104R.LF5R2NT00	5.2	100/0.25	0.022	5.50	5.40
SDRH.104R.LF6R8NT00	6.8	100/0.25	0.027	4.80	4.50
SDRH.104R.LF100NT00	10	100/0.25	0.035	4.40	3.80
SDRH.104R.LF120NT00	12	100/0.25	0.046	3.70	3.40
SDRH.104R.LF150NT00	15	100/0.25	0.050	3.60	3.10
SDRH.104R.LF180NT00	18	100/0.25	0.069	3.10	2.60
SDRH.104R.LF220NT00	22	100/0.25	0.073	2.90	2.50
SDRH.104R.LF270NT00	27	100/0.25	0.088	2.60	2.30
SDRH.104R.LF330NT00	33	100/0.25	0.093	2.30	2.20
SDRH.104R.LF390NT00	39	100/0.25	0.127	2.20	2.00
SDRH.104R.LF470NT00	47	100/0.25	0.128	2.10	1.90
SDRH.104R.LF560NT00	56	100/0.25	0.188	1.65	1.50
SDRH.104R.LF680NT00	68	100/0.25	0.213	1.50	1.42
SDRH.104R.LF820MT00	82	100/0.25	0.283	1.45	1.30
SDRH.104R.LF101MT00	100	100/0.25	0.304	1.35	1.25
SDRH.104R.LF121MT00	120	100/0.25	0.375	1.20	1.08
SDRH.104R.LF151MT00	150	100/0.25	0.506	1.15	0.85
SDRH.104R.LF181MT00	180	100/0.25	0.568	1.00	0.75
SDRH.104R.LF221MT00	220	100/0.25	0.756	0.92	0.70
SDRH.104R.LF271MT00	270	100/0.25	0.853	0.84	0.55
SDRH.104R.LF331MT00	330	100/0.25	1.090	0.70	0.52

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 35% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SDRH.105R Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SDRH.105R.LFR80NT00	0.8	100/0.25	0.005	9.50	13.50
SDRH.105R.LF1R5NT00	1.5	100/0.25	0.006	8.30	10.50
SDRH.105R.LF2R2NT00	2.2	100/0.25	0.008	7.50	9.25
SDRH.105R.LF3R3NT00	3.3	100/0.25	0.011	6.50	7.80
SDRH.105R.LF4R7NT00	4.7	100/0.25	0.013	6.10	6.40
SDRH.105R.LF6R8NT00	6.8	100/0.25	0.018	5.40	5.40
SDRH.105R.LF8R2NT00	8.2	100/0.25	0.020	5.00	4.85
SDRH.105R.LF100NT00	10	100/0.25	0.026	4.50	4.45
SDRH.105R.LF120NT00	12	100/0.25	0.033	3.80	4.00
SDRH.105R.LF150NT00	15	100/0.25	0.041	3.40	3.60
SDRH.105R.LF180NT00	18	100/0.25	0.046	3.10	3.20
SDRH.105R.LF220NT00	22	100/0.25	0.061	2.90	2.95
SDRH.105R.LF270NT00	27	100/0.25	0.069	2.60	2.70
SDRH.105R.LF330NT00	33	100/0.25	0.084	2.50	2.40
SDRH.105R.LF390NT00	39	100/0.25	0.106	2.25	2.30
SDRH.105R.LF470NT00	47	100/0.25	0.130	2.00	2.00
SDRH.105R.LF560NT00	56	100/0.25	0.149	1.90	1.90
SDRH.105R.LF680NT00	68	100/0.25	0.201	1.60	1.65
SDRH.105R.LF820NT00	82	100/0.25	0.227	1.45	1.50
SDRH.105R.LF101MT00	100	100/0.25	0.253	1.35	1.35
SDRH.105R.LF121MT00	120	100/0.25	0.303	1.18	1.28
SDRH.105R.LF151MT00	150	100/0.25	0.370	1.10	1.12
SDRH.105R.LF181MT00	180	100/0.25	0.419	1.00	1.04
SDRH.105R.LF221MT00	220	100/0.25	0.500	0.94	0.94
SDRH.105R.LF271MT00	270	100/0.25	0.672	0.80	0.84
SDRH.105R.LF331MT00	330	100/0.25	0.812	0.73	0.75
SDRH.105R.LF391MT00	390	100/0.25	0.953	0.70	0.70
SDRH.105R.LF471MT00	470	100/0.25	1.289	0.54	0.60
SDRH.105R.LF561MT00	560	100/0.25	1.430	0.52	0.54
SDRH.105R.LF681MT00	680	100/0.25	1.599	0.51	0.52
SDRH.105R.LF821MT00	820	100/0.25	1.768	0.48	0.50
SDRH.105R.LF102MT00	1000	100/0.25	1.989	0.42	0.48

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 35% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors SRR Series



FEATURES

- ◆ Low DC resistance and for large current.
- ◆ Closed magnetic circuit crosstalk.
- ◆ Excellent solderability and heat resistance.
- ◆ Available for automatic mounting in tape and reel package.

APPLICATIONS

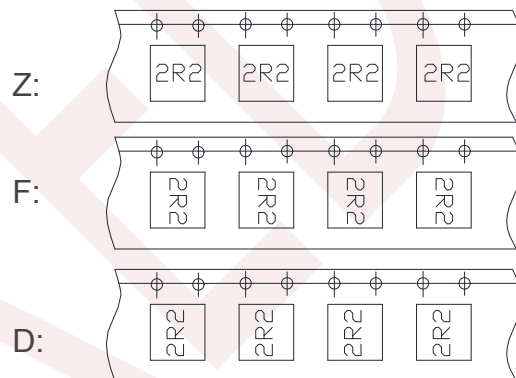
- ◆ Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter.

PRODUCT IDENTIFICATION

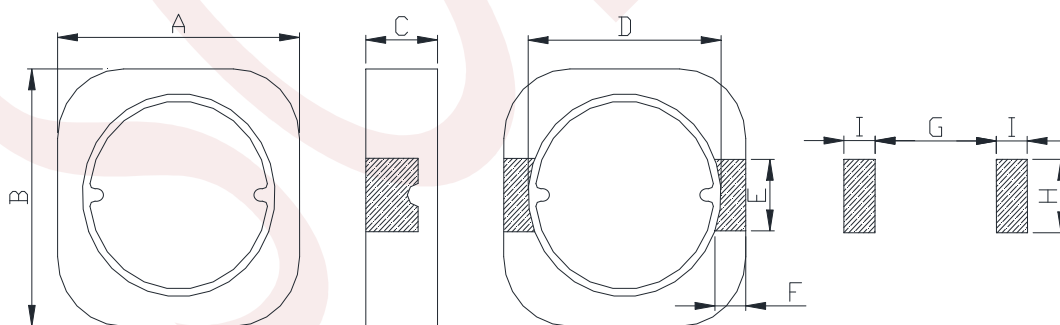
SRR 53 L Z 100 M T 00
a b c d e f g h

- a: Series name
b: Product dimensions (a x c)
c: Sealing way (L: Cold seal Y: Heat seal)
d: Lettering direction ▶
e: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
f: Inductance Tolerance (K:10% ; M:20% ; N:30%)
g: Package(T:Tape/Reel、B: Bulk)
h: Numbering (standard)

▶ Lettering direction



SHAPES AND DIMENSIONS



Series	Dimensions(mm)								
	A Max.	B Max.	C Max.	D Ref.	E Ref.	F Ref.	G Ref.	H Ref.	I Ref.
SRR.53	5.30	5.30	3.00	4.20	1.60	0.60	4.00	1.80	0.80
SRR.63	6.30	6.30	3.00	4.80	2.00	0.70	4.60	2.20	0.90
SRR.104	10.4	10.4	4.8	6.00	3.00	2.00	6.40	3.30	2.20

◆ SMD Power Inductors

SRR.53/63 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRR.53.LF1R1NT00	1.1	100/0.25	0.020	3.87
SRR.53.LF3R3NT00	3.3	100/0.25	0.034	2.36
SRR.53.LF4R7NT00	4.7	100/0.25	0.045	1.87
SRR.53.LF6R8NT00	6.8	100/0.25	0.068	1.51
SRR.53.LF100MT00	10	100/0.25	0.090	1.33
SRR.53.LF150MT00	15	100/0.25	0.142	1.05
SRR.53.LF220MT00	22	100/0.25	0.208	0.86
SRR.53.LF330MT00	33	100/0.25	0.257	0.72
SRR.53.LF470MT00	47	100/0.25	0.352	0.62
SRR.53.LF680MT00	68	100/0.25	0.525	0.51

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRR.63.LF1R0NT00	1.0	100/0.25	0.014	3.59
SRR.63.LF1R5NT00	1.5	100/0.25	0.016	2.93
SRR.63.LF2R2NT00	2.2	100/0.25	0.020	2.42
SRR.63.LF3R3NT00	3.3	100/0.25	0.026	1.89
SRR.63.LF4R7NT00	4.7	100/0.25	0.034	1.66
SRR.63.LF6R2NT00	6.2	100/0.25	0.040	1.45
SRR.63.LF100MT00	10	100/0.25	0.061	1.14
SRR.63.LF150MT00	15	100/0.25	0.078	0.93
SRR.63.LF180MT00	18	100/0.25	0.093	0.85
SRR.63.LF220MT00	22	100/0.25	0.119	0.77
SRR.63.LF330MT00	33	100/0.25	0.175	0.63
SRR.63.LF390MT00	39	100/0.25	0.188	0.58
SRR.63.LF470MT00	47	100/0.25	0.231	0.53
SRR.63.LF560MT00	56	100/0.25	0.275	0.48
SRR.63.LF680MT00	68	100/0.25	0.338	0.44
SRR.63.LF820MT00	82	100/0.25	0.413	0.40
SRR.63.LF101MT00	100	100/0.25	0.519	0.36

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 30% from its value without current;

SMD Power Inductors

SRR.104 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRR.104.LF1R0NT00	1.0	100/0.25	0.014	8.70
SRR.104.LF2R7NT00	2.7	100/0.25	0.016	7.30
SRR.104.LF3R9NT00	3.9	100/0.25	0.018	5.80
SRR.104.LF6R8NT00	6.8	100/0.25	0.035	4.50
SRR.104.LF8R2NT00	8.2	100/0.25	0.040	4.10
SRR.104.LF100MT00	10	100/0.25	0.044	3.60
SRR.104.LF120MT00	12	100/0.25	0.051	3.30
SRR.104.LF150MT00	15	100/0.25	0.062	3.10
SRR.104.LF180MT00	18	100/0.25	0.079	2.70
SRR.104.LF220MT00	22	100/0.25	0.087	2.40
SRR.104.LF330MT00	33	100/0.25	0.125	2.00
SRR.104.LF470MT00	47	100/0.25	0.175	1.70
SRR.104.LF560MT00	56	100/0.25	0.195	1.50
SRR.104.LF680MT00	68	100/0.25	0.240	1.30
SRR.104.LF820MT00	82	100/0.25	0.295	1.20
SRR.104.LF101MT00	100	100/0.25	0.380	1.00

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 30% from its value without current;

◆ SMD Power Inductors SRH Series

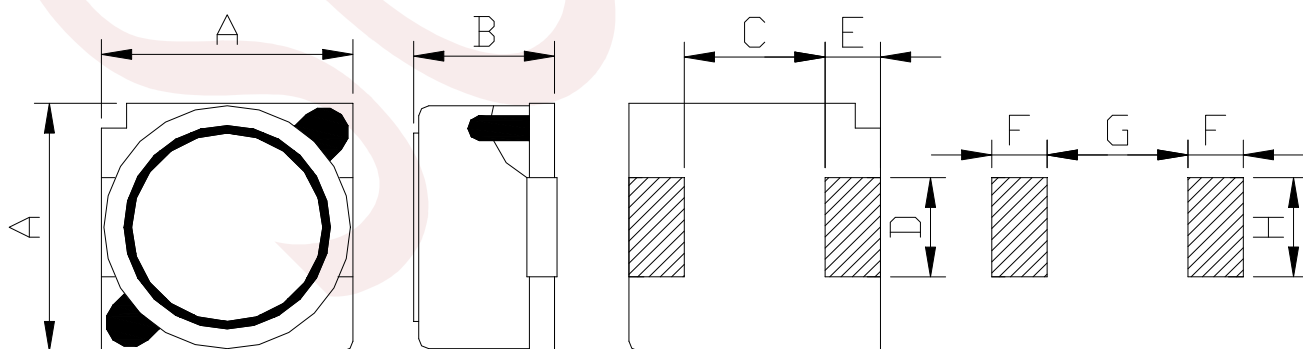


PRODUCT IDENTIFICATION

SRH 7032 L F 100 M T 00
a b c d e f g h

- a: Series name
- b: Product dimensions (a x c)
- c: Sealing way (L: Cold seal Y: Heat seal)
- d: Lettering direction ▶
- e: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
- f: Inductance Tolerance (K:10% ; M:20% ; N:30%)
- g: Package(T:Tape/Reel、B: Bulk)
- h: Numbering (standard)

SHAPES AND DIMENSIONS



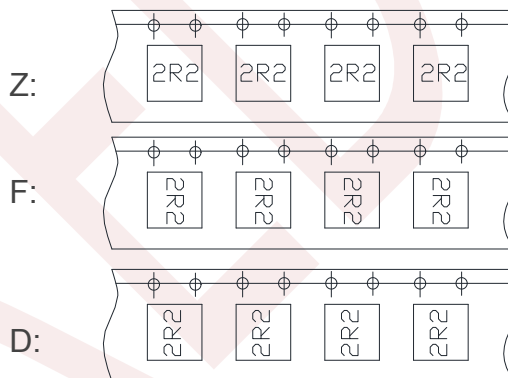
FEATURES

- ◆ Low DC resistance and for large current.
- ◆ Closed magnetic circuit crosstalk.
- ◆ Excellent solderability and heat resistance.
- ◆ Available for automatic mounting in tape and reel package.

APPLICATIONS

- ◆ Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter.

▶ Lettering direction



◆ SMD Power Inductors

SRH.6028 Series

SHAPES AND DIMENSIONS

Series	Dimensions(mm)							
	A	B Max .	C	D	E	F Ref.	G Ref.	H Ref.
SRH.6028	6.0±0.3	3.10	4.0±0.2	2.0±0.2	0.9	1.5	4.0	2.2
SRH.6045	6.0±0.3	4.80	4.0±0.2	2.0±0.2	0.9	1.5	4.0	2.2
SRH.7032	7.0±0.3	3.50	4.9±0.2	2.0±0.2	0.9	1.5	4.9	2.2
SRH.7045	7.0±0.3	4.80	4.9±0.2	2.0±0.2	0.9	1.5	4.9	2.2
SRH.7055	7.0±0.3	5.80	4.9±0.2	2.0±0.2	0.9	1.5	4.9	2.2
SRH.10145	10.1±0.3	4.80	6.0±0.2	3.0±0.2	2.0	2.5	5.6	3.2
SRH.12555	12.5±0.3	5.80	8.0±0.2	3.0±0.2	2.0	2.5	8.6	3.2
SRH.12565	12.5±0.3	6.90	8.0±0.2	3.0±0.2	2.0	2.5	8.6	3.2
SRH.12575	12.5±0.3	7.90	8.0±0.2	3.0±0.2	2.0	2.5	8.6	3.2

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRH.6028.LF4R7NT00	4.7	100/0.25	0.034	1.60
SRH.6028.LF6R8NT00	6.8	100/0.25	0.043	1.50
SRH.6028.LF100MT00	10	100/0.25	0.064	1.30
SRH.6028.LF150MT00	15	100/0.25	0.090	1.00
SRH.6028.LF220MT00	22	100/0.25	0.125	0.77
SRH.6028.LF330MT00	33	100/0.25	0.178	0.69
SRH.6028.LF470MT00	47	100/0.25	0.252	0.59
SRH.6028.LF680MT00	68	100/0.25	0.348	0.50
SRH.6028.LF101MT00	100	100/0.25	0.516	0.42
SRH.6028.LF151MT00	150	100/0.25	0.780	0.34
SRH.6028.LF221MT00	220	100/0.25	1.176	0.26

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 30% from its value without current;

SMD Power Inductors

SRH.6045 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRH.6045.LF1R0NT00	1.0	100/0.25	0.023	2.70
SRH.6045.LF1R5NT00	1.5	100/0.25	0.026	2.30
SRH.6045.LF2R2NT00	2.2	100/0.25	0.028	1.90
SRH.6045.LF3R3NT00	3.3	100/0.25	0.035	1.80
SRH.6045.LF4R7NT00	4.7	100/0.25	0.040	1.40
SRH.6045.LF6R8NT00	6.8	100/0.25	0.045	1.20
SRH.6045.LF100MT00	10	100/0.25	0.060	1.00
SRH.6045.LF150MT00	15	100/0.25	0.070	0.80
SRH.6045.LF220MT00	22	100/0.25	0.110	0.65
SRH.6045.LF330MT00	33	100/0.25	0.165	0.55
SRH.6045.LF470MT00	47	100/0.25	0.210	0.45
SRH.6045.LF680MT00	68	100/0.25	0.285	0.37
SRH.6045.LF101MT00	100	100/0.25	0.420	0.30
SRH.6045.LF151MT00	150	100/0.25	0.630	0.25
SRH.6045.LF181MT00	180	100/0.25	0.720	0.22
SRH.6045.LF221MT00	220	100/0.25	0.820	0.20
SRH.6045.LF271MT00	270	100/0.25	1.100	0.18
SRH.6045.LF331MT00	330	100/0.25	1.200	0.17
SRH.6045.LF391MT00	390	100/0.25	1.700	0.16
SRH.6045.LF471MT00	470	100/0.25	1.900	0.14
SRH.6045.LF561MT00	560	100/0.25	2.150	0.13
SRH.6045.LF681MT00	680	100/0.25	3.300	0.12
SRH.6045.LF821MT00	820	100/0.25	3.650	0.11

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 30% from its value without current;

◆ SMD Power Inductors SRH.7032/7045 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRH.7032.LF3R3NT00	3.3	100/0.25	0.028	1.90
SRH.7032.LF4R7NT00	4.7	100/0.25	0.044	1.70
SRH.7032.LF6R8NT00	6.8	100/0.25	0.050	1.60
SRH.7032.LF100MT00	10	100/0.25	0.064	1.40
SRH.7032.LF150MT00	15	100/0.25	0.090	1.10
SRH.7032.LF220MT00	22	100/0.25	0.132	0.96
SRH.7032.LF330MT00	33	100/0.25	0.192	0.75
SRH.7032.LF470MT00	47	100/0.25	0.288	0.67
SRH.7032.LF680MT00	68	100/0.25	0.372	0.59
SRH.7032.LF101MT00	100	100/0.25	0.540	0.45
SRH.7032.LF151MT00	150	100/0.25	0.780	0.37
SRH.7032.LF221MT00	220	100/0.25	1.260	0.29
SRH.7032.LF331MT00	330	100/0.25	2.000	0.22
SRH.7032.LF471MT00	470	100/0.25	2.460	0.20
SRH.7032.LF681MT00	680	100/0.25	3.780	0.16
SRH.7032.LF102MT00	1000	100/0.25	5.730	0.13

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRH.7045.LF3R3NT00	3.3	100/0.25	0.024	2.50
SRH.7045.LF4R7NT00	4.7	100/0.25	0.036	2.00
SRH.7045.LF6R8NT00	6.8	100/0.25	0.047	1.70
SRH.7045.LF100MT00	10	100/0.25	0.056	1.30
SRH.7045.LF150MT00	15	100/0.25	0.063	1.10
SRH.7045.LF220MT00	22	100/0.25	0.074	0.90
SRH.7045.LF330MT00	33	100/0.25	0.116	0.82
SRH.7045.LF470MT00	47	100/0.25	0.150	0.75
SRH.7045.LF680MT00	68	100/0.25	0.210	0.60
SRH.7045.LF101MT00	100	100/0.25	0.300	0.50
SRH.7045.LF151MT00	150	100/0.25	0.408	0.40
SRH.7045.LF221MT00	220	100/0.25	0.624	0.33
SRH.7045.LF331MT00	330	100/0.25	0.888	0.25
SRH.7045.LF471MT00	470	100/0.25	1.260	0.22
SRH.7045.LF681MT00	680	100/0.25	1.776	0.20
SRH.7045.LF102MT00	1000	100/0.25	2.736	0.14

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 30% from its value without current;

SOREDE Specifications subject to change without notice.

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◆ SMD Power Inductors SRH.7055/10145 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRH.7055.LF1R5NT00	1.5	100/0.25	0.023	6.20
SRH.7055.LF2R2NT00	2.2	100/0.25	0.029	5.30
SRH.7055.LF3R3NT00	3.3	100/0.25	0.032	4.30
SRH.7055.LF3R9NT00	3.9	100/0.25	0.034	4.00
SRH.7055.LF4R7NT00	4.7	100/0.25	0.037	3.60
SRH.7055.LF6R8NT00	6.8	100/0.25	0.045	3.00
SRH.7055.LF100MT00	10	100/0.25	0.051	2.60
SRH.7055.LF150MT00	15	100/0.25	0.067	2.10
SRH.7055.LF180MT00	18	100/0.25	0.074	1.90
SRH.7055.LF220MT00	22	100/0.25	0.084	1.70
SRH.7055.LF330MT00	33	100/0.25	0.114	1.40
SRH.7055.LF470MT00	47	100/0.25	0.169	1.20
SRH.7055.LF680MT00	68	100/0.25	0.260	0.90
SRH.7055.LF101MT00	100	100/0.25	0.381	0.80

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRH.10145.LF3R3NT00	3.3	100/0.25	0.020	4.90
SRH.10145.LF5R6NT00	5.6	100/0.25	0.027	3.80
SRH.10145.LF100MT00	10	100/0.25	0.044	3.00
SRH.10145.LF150MT00	15	100/0.25	0.057	2.40
SRH.10145.LF220MT00	22	100/0.25	0.071	2.10
SRH.10145.LF330MT00	33	100/0.25	0.099	1.60
SRH.10145.LF470MT00	47	100/0.25	0.120	1.40
SRH.10145.LF680MT00	68	100/0.25	0.168	1.20
SRH.10145.LF101MT00	100	100/0.25	0.240	1.00
SRH.10145.LF151MT00	150	100/0.25	0.420	0.79
SRH.10145.LF221MT00	220	100/0.25	0.564	0.65
SRH.10145.LF331MT00	330	100/0.25	0.816	0.54
SRH.10145.LF471MT00	470	100/0.25	1.236	0.47
SRH.10145.LF681MT00	680	100/0.25	1.920	0.38
SRH.10145.LF102MT00	1000	100/0.25	3.360	0.32
SRH.10145.LF152MT00	1500	100/0.25	4.080	0.22

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 30% from its value without current;

SMD Power Inductors SRH.12555/12565/12575 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRH.12555.LF6R0NT00	6.0	100/0.25	0.020	3.60
SRH.12555.LF100MT00	10	100/0.25	0.026	3.40
SRH.12555.LF150MT00	15	100/0.25	0.032	2.80
SRH.12555.LF220MT00	22	100/0.25	0.041	2.30
SRH.12555.LF330MT00	33	100/0.25	0.050	1.90
SRH.12555.LF470MT00	47	100/0.25	0.075	1.60
SRH.12555.LF680MT00	68	100/0.25	0.100	1.30
SRH.12555.LF101MT00	100	100/0.25	0.141	1.10
SRH.12555.LF151MT00	150	100/0.25	0.228	0.88
SRH.12555.LF221MT00	220	100/0.25	0.324	0.72
SRH.12555.LF331MT00	330	100/0.25	0.492	0.59
SRH.12555.LF471MT00	470	100/0.25	0.624	0.49
SRH.12555.LF681MT00	680	100/0.25	0.912	0.43

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRH.12565.LF2R0NT00	2.0	100/0.25	0.015	10.00
SRH.12565.LF100MT00	10	100/0.25	0.025	5.00
SRH.12565.LF150MT00	15	100/0.25	0.029	4.20
SRH.12565.LF220MT00	22	100/0.25	0.038	3.50
SRH.12565.LF330MT00	33	100/0.25	0.049	2.80
SRH.12565.LF470MT00	47	100/0.25	0.070	2.40
SRH.12565.LF680MT00	68	100/0.25	0.095	2.00
SRH.12565.LF101MT00	100	100/0.25	0.148	1.60

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SRH.12575.LF1R2NT00	1.2	100/0.25	0.009	13.00
SRH.12575.LF6R8NT00	6.8	100/0.25	0.016	7.20
SRH.12575.LF100MT00	10	100/0.25	0.019	5.50
SRH.12575.LF220MT00	22	100/0.25	0.032	4.00
SRH.12575.LF330MT00	33	100/0.25	0.048	3.20
SRH.12575.LF470MT00	47	100/0.25	0.064	2.70
SRH.12575.LF680MT00	68	100/0.25	0.094	2.00
SRH.12575.LF101MT00	100	100/0.25	0.150	1.90
SRH.12575.LF221MT00	220	100/0.25	0.310	1.30

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 30% from its value without current;

SOREDE Specifications subject to change without notice.

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◆ SMD Power Inductors SRYT Series

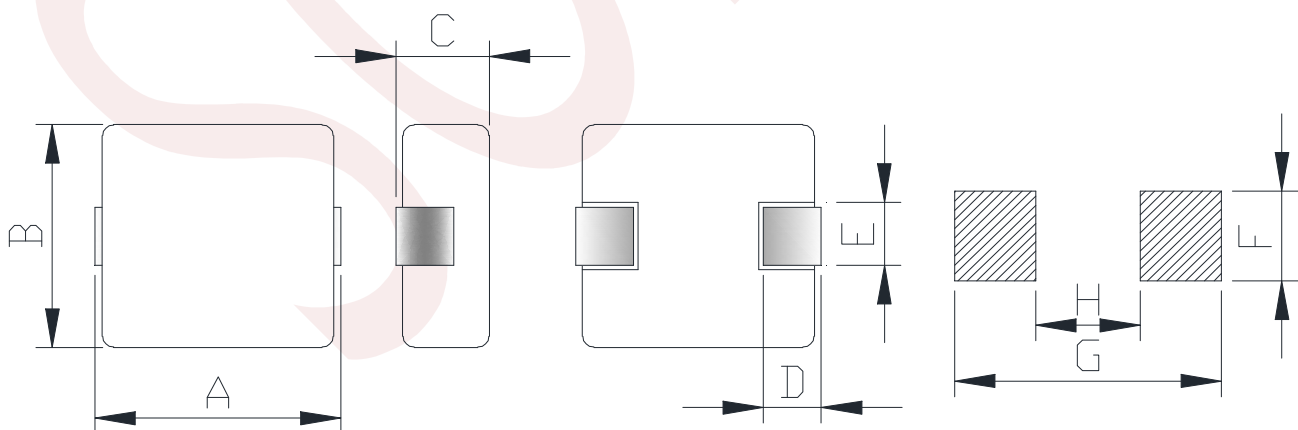


PRODUCT IDENTIFICATION

SRYT 0630 Y F 100 M I 00
a b c d e f g h

- a: Series name
- b: Product dimensions (a x c)
- c: Sealing way (L: Cold seal Y: Heat seal)
- d: Lettering direction ▶
- e: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
- f: Inductance Tolerance (K:10% ; M:20% ; N:30%)
- g: Package(T:Tape/Reel、B: Bulk)
- h: Numbering (standard)

SHAPES AND DIMENSIONS



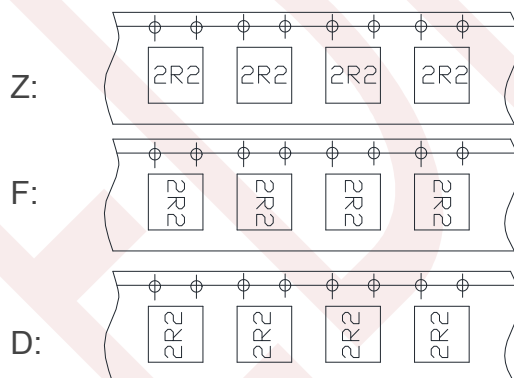
FEATURES

- ◆ Low profile, high current power supplies.
- ◆ Low loss realized with low DSCR.
- ◆ Ultra low buzz noise.

APPLICATIONS

- ◆ Ideally used in NB/Desktop/server/Graphic card, LCD TV/Projector, etc as DC-DC Converter.

▶ Lettering direction



SMD Power Inductors

SRYT.0415 Series

SHAPES AND DIMENSIONS

Series	Dimensions(mm)							
	A Max .	B Max .	C Max .	D	E	F Ref.	G Ref.	H Ref.
SRYT.0415	4.9	4.5	1.5	1.0±0.3	1.5±0.5	2.3	4.9	2.1
SRYT.0420	4.9	4.5	2.0	1.0±0.3	1.5±0.5	2.3	4.9	2.1
SRYT.0520	5.9	5.2	2.0	1.0±0.3	2.0±0.5	2.5	7.0	3.0
SRYT.0530	5.9	5.2	3.0	1.0±0.3	2.0±0.5	2.5	7.0	3.0
SRYT.0550	5.9	5.2	5.0	1.0±0.3	2.0±0.5	2.5	7.0	3.0
SRYT.0618	7.8	7.0	1.8	1.5±0.5	3.0±0.3	3.4	7.3	3.7
SRYT.0620	7.8	7.0	2.0	1.5±0.5	3.0±0.3	3.4	7.3	3.7
SRYT.0630	7.8	7.0	3.0	1.5±0.5	3.0±0.3	3.4	7.3	3.7
SRYT.0640	7.8	7.0	4.0	1.5±0.5	3.0±0.3	3.4	7.3	3.7
SRYT.0650	7.8	7.0	5.0	1.5±0.5	3.0±0.3	3.4	7.3	3.7
SRYT.1030	11.8	10.8	3.0	2.0±0.5	3.0±0.5	4.1	13.6	5.4
SRYT.1040	11.8	10.8	4.0	2.0±0.5	3.0±0.5	4.1	13.6	5.4
SRYT.1050	11.8	10.8	5.0	2.0±0.5	3.0±0.5	4.1	13.6	5.4
SRYT.1335	14.5	13.5	3.5	2.5±0.5	3.5±0.5	4.5	14.5	8.0
SRYT.1340	14.5	13.5	4.0	2.5±0.5	3.5±0.5	4.5	14.5	8.0
SRYT.1350	14.5	13.5	5.0	2.5±0.5	3.5±0.5	4.5	14.5	8.0

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.0415.YFR22MT00	0.22	100/0.25	0.009	9.00	6.00
SRYT.0415.YFR47MT00	0.47	100/0.25	0.020	7.00	5.00
SRYT.0415.YF1R0MT00	1.0	100/0.25	0.045	5.00	3.50
SRYT.0415.YF1R5MT00	1.5	100/0.25	0.063	4.00	3.00
SRYT.0415.YF2R2MT00	2.2	100/0.25	0.100	3.00	2.50
SRYT.0415.YF4R7MT00	4.7	100/0.25	0.140	2.50	2.00

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SRYT.0420/0520 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.0420.YFR22MT00	0.22	100/0.25	0.008	12.0	9.00
SRYT.0420.YFR33MT00	0.33	100/0.25	0.010	11.0	8.00
SRYT.0420.YFR36MT00	0.36	100/0.25	0.012	10.0	7.00
SRYT.0420.YFR47MT00	0.47	100/0.25	0.014	9.50	6.00
SRYT.0420.YFR56MT00	0.56	100/0.25	0.018	8.00	5.00
SRYT.0420.YFR68MT00	0.68	100/0.25	0.021	7.50	4.80
SRYT.0420.YF1R0MT00	1.0	100/0.25	0.027	7.00	4.50
SRYT.0420.YF1R5MT00	1.5	100/0.25	0.045	6.00	4.00
SRYT.0420.YF2R2MT00	2.2	100/0.25	0.058	5.00	3.00
SRYT.0420.YF2R7MT00	2.7	100/0.25	0.063	4.00	2.60
SRYT.0420.YF3R3MT00	3.3	100/0.25	0.090	3.00	2.00
SRYT.0420.YF4R7MT00	4.7	100/0.25	0.150	2.80	1.80
SRYT.0420.YF6R8MT00	6.8	100/0.25	0.170	2.50	1.60
SRYT.0420.YF100MT00	10	100/0.25	0.200	1.80	1.50

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.0520.YFR22MT00	0.22	100/0.25	0.006	16.0	10.5
SRYT.0520.YFR33MT00	0.33	100/0.25	0.009	15.0	10.0
SRYT.0520.YFR47MT00	0.47	100/0.25	0.010	12.0	9.00
SRYT.0520.YFR68MT00	0.68	100/0.25	0.016	11.0	7.00
SRYT.0520.YF1R0MT00	1.0	100/0.25	0.017	8.00	6.50
SRYT.0520.YF1R5MT00	1.5	100/0.25	0.028	7.00	5.00
SRYT.0520.YF2R2MT00	2.2	100/0.25	0.045	6.00	4.00
SRYT.0520.YF3R3MT00	3.3	100/0.25	0.080	5.00	3.50
SRYT.0520.YF4R7MT00	4.7	100/0.25	0.085	3.50	3.00
SRYT.0520.YF6R8MT00	6.8	100/0.25	0.100	3.00	2.00
SRYT.0520.YF100MT00	10	100/0.25	0.190	2.50	1.50

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SRYT.0530/0550/0618 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.0530.YFR47MT00	0.47	100/0.25	0.011	13.0	10.0
SRYT.0530.YFR68MT00	0.68	100/0.25	0.012	12.0	9.00
SRYT.0530.YF1R0MT00	1.0	100/0.25	0.016	11.0	7.00
SRYT.0530.YF1R5MT00	1.5	100/0.25	0.022	10.0	5.00
SRYT.0530.YF2R2MT00	2.2	100/0.25	0.035	9.00	4.00
SRYT.0530.YF3R3MT00	3.3	100/0.25	0.038	7.00	3.50
SRYT.0530.YF4R7MT00	4.7	100/0.25	0.060	5.00	3.00
SRYT.0530.YF6R8MT00	6.8	100/0.25	0.090	3.50	2.50
SRYT.0530.YF100MT00	10	100/0.25	0.100	3.00	2.00
SRYT.0530.YF150MT00	15	100/0.25	0.165	2.00	1.50
SRYT.0530.YF220MT00	22	100/0.25	0.230	1.50	1.30

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.0550.YF4R7MT00	4.7	100/0.25	0.050	6.00	5.00
SRYT.0550.YF6R8MT00	6.8	100/0.25	0.070	5.50	3.00
SRYT.0550.YF150MT00	15	100/0.25	0.138	3.50	2.50
SRYT.0550.YF220MT00	22	100/0.25	0.238	2.00	1.50

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.0618.YFR47MT00	0.47	100/0.25	0.008	18.0	11.0
SRYT.0618.YFR68MT00	0.68	100/0.25	0.012	16.0	10.5
SRYT.0618.YF1R0MT00	1.0	100/0.25	0.022	11.0	6.00
SRYT.0618.YF1R5MT00	1.5	100/0.25	0.030	9.80	6.50
SRYT.0618.YF2R2MT00	2.2	100/0.25	0.035	9.00	5.00
SRYT.0618.YF3R3MT00	3.3	100/0.25	0.068	8.00	3.50
SRYT.0618.YF4R7MT00	4.7	100/0.25	0.075	5.00	3.00
SRYT.0618.YF100MT00	10	100/0.25	0.137	3.00	2.00

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

SMD Power Inductors SRYT.0620/0630 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.0620.YFR68MT00	0.68	100/0.25	0.010	16.0	10.5
SRYT.0620.YF1R0MT00	1.0	100/0.25	0.020	14.0	7.00
SRYT.0620.YF1R5MT00	1.5	100/0.25	0.030	12.0	6.00
SRYT.0620.YF2R2MT00	2.2	100/0.25	0.035	10.0	5.00
SRYT.0620.YF3R3MT00	3.3	100/0.25	0.064	7.50	3.50
SRYT.0620.YF4R7MT00	4.7	100/0.25	0.070	6.00	3.30
SRYT.0620.YF6R8MT00	6.8	100/0.25	0.100	4.00	3.00
SRYT.0620.YF100MT00	10	100/0.25	0.154	3.50	2.80

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current (A)	Heat Rating Current (A)
SRYT.0630.YFR22MT00	0.22	100/0.25	0.003	40.0	20.0
SRYT.0630.YFR33MT00	0.33	100/0.25	0.004	30.0	19.0
SRYT.0630.YFR47MT00	0.47	100/0.25	0.005	25.0	17.5
SRYT.0630.YFR56MT00	0.56	100/0.25	0.006	24.0	15.5
SRYT.0630.YFR68MT00	0.68	100/0.25	0.007	23.0	14.0
SRYT.0630.YFR82MT00	0.82	100/0.25	0.008	20.0	13.0
SRYT.0630.YF1R0MT00	1.0	100/0.25	0.009	16.0	11.0
SRYT.0630.YF1R5MT00	1.5	100/0.25	0.015	14.0	9.00
SRYT.0630.YF2R2MT00	2.2	100/0.25	0.020	12.0	8.00
SRYT.0630.YF3R3MT00	3.3	100/0.25	0.030	10.0	6.00
SRYT.0630.YF4R7MT00	4.7	100/0.25	0.040	9.00	5.50
SRYT.0630.YF5R6MT00	5.6	100/0.25	0.060	7.00	5.00
SRYT.0630.YF6R8MT00	6.8	100/0.25	0.070	6.00	4.50
SRYT.0630.YF8R2MT00	8.2	100/0.25	0.080	5.80	4.00
SRYT.0630.YF100MT00	10	100/0.25	0.105	5.50	3.00
SRYT.0630.YF150MT00	15	100/0.25	0.140	4.00	2.80
SRYT.0630.YF220MT00	22	100/0.25	0.167	3.50	2.50
SRYT.0630.YF330MT00	33	100/0.25	0.280	2.00	1.00
SRYT.0630.YF470MT00	47	100/0.25	0.290	1.80	0.80

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SRYT.0640/0650 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.0640.YFR56MT00	0.56	100/0.25	0.006	22.0	14.0
SRYT.0640.YFR68MT00	0.68	100/0.25	0.007	20.0	13.0
SRYT.0640.YF1R0MT00	1.0	100/0.25	0.009	19.0	12.0
SRYT.0640.YF1R5MT00	1.5	100/0.25	0.015	16.0	10.0
SRYT.0640.YF2R2MT00	2.2	100/0.25	0.018	14.0	8.50
SRYT.0640.YF3R3MT00	3.3	100/0.25	0.020	13.0	7.00
SRYT.0640.YF4R7MT00	4.7	100/0.25	0.028	8.00	6.00

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.0650.YFR22MT00	0.22	100/0.25	0.004	35.0	20.0
SRYT.0650.YFR47MT00	0.47	100/0.25	0.005	25.0	18.0
SRYT.0650.YFR56MT00	0.56	100/0.25	0.006	23.0	17.0
SRYT.0650.YFR68MT00	0.68	100/0.25	0.007	19.0	14.0
SRYT.0650.YFR82MT00	0.82	100/0.25	0.008	18.0	13.5
SRYT.0650.YF1R0MT00	1.0	100/0.25	0.009	17.0	13.0
SRYT.0650.YF1R5MT00	1.5	100/0.25	0.010	12.0	11.5
SRYT.0650.YF2R2MT00	2.2	100/0.25	0.013	11.0	8.00
SRYT.0650.YF3R3MT00	3.3	100/0.25	0.020	9.00	7.00
SRYT.0650.YF3R8MT00	3.8	100/0.25	0.025	8.00	6.50
SRYT.0650.YF4R7MT00	4.7	100/0.25	0.027	7.00	6.00
SRYT.0650.YF4R9MT00	4.9	100/0.25	0.028	6.50	5.70
SRYT.0650.YF5R6MT00	5.6	100/0.25	0.030	6.00	5.30
SRYT.0650.YF6R8MT00	6.8	100/0.25	0.038	5.80	5.00
SRYT.0650.YF8R2MT00	8.2	100/0.25	0.040	5.50	4.00
SRYT.0650.YF100MT00	10	100/0.25	0.060	5.30	3.50
SRYT.0650.YF150MT00	15	100/0.25	0.086	5.00	3.00
SRYT.0650.YF220MT00	22	100/0.25	0.095	4.00	2.40
SRYT.0650.YF330MT00	33	100/0.25	0.237	3.00	2.00
SRYT.0650.YF470MT00	47	100/0.25	0.280	2.00	1.60
SRYT.0650.YF680MT00	68	100/0.25	0.310	1.80	1.30

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SRYT.1030/1040 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.1030.YF1R0MT00	1.0	100/0.25	0.007	18.0	13.0
SRYT.1030.YF1R5MT00	1.5	100/0.25	0.009	16.0	10.0
SRYT.1030.YF2R2MT00	2.2	100/0.25	0.012	14.0	9.00
SRYT.1030.YF4R7MT00	4.7	100/0.25	0.025	8.50	6.00
SRYT.1030.YF8R2MT00	8.2	100/0.25	0.055	6.00	4.00
SRYT.1030.YF100MT00	10	100/0.25	0.056	5.00	3.80
SRYT.1030.YF150MT00	15	100/0.25	0.065	4.00	3.50

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.1040.YFR22MT00	0.22	100/0.25	0.001	60.0	30.0
SRYT.1040.YFR33MT00	0.33	100/0.25	0.0015	50.0	29.0
SRYT.1040.YFR36MT00	0.36	100/0.25	0.0016	45.0	28.0
SRYT.1040.YFR47MT00	0.47	100/0.25	0.0018	38.0	26.0
SRYT.1040.YFR56MT00	0.56	100/0.25	0.002	33.0	23.0
SRYT.1040.YFR68MT00	0.68	100/0.25	0.003	32.0	22.0
SRYT.1040.YFR82MT00	0.82	100/0.25	0.0035	30.0	21.0
SRYT.1040.YF1R0MT00	1.0	100/0.25	0.005	28.0	18.0
SRYT.1040.YF1R5MT00	1.5	100/0.25	0.006	27.0	16.0
SRYT.1040.YF2R2MT00	2.2	100/0.25	0.009	25.0	12.0
SRYT.1040.YF3R3MT00	3.3	100/0.25	0.014	16.0	10.0
SRYT.1040.YF3R9MT00	3.9	100/0.25	0.016	15.0	9.00
SRYT.1040.YF4R7MT00	4.7	100/0.25	0.020	14.0	8.00
SRYT.1040.YF5R6MT00	5.6	100/0.25	0.025	13.0	7.50
SRYT.1040.YF6R8MT00	6.8	100/0.25	0.028	12.0	7.00
SRYT.1040.YF8R2MT00	8.2	100/0.25	0.033	9.00	6.00
SRYT.1040.YF100MT00	10	100/0.25	0.040	8.70	5.00
SRYT.1040.YF120MT00	12	100/0.25	0.048	8.00	4.50
SRYT.1040.YF150MT00	15	100/0.25	0.054	7.00	4.00
SRYT.1040.YF220MT00	22	100/0.25	0.060	6.00	3.50
SRYT.1040.YF330MT00	33	100/0.25	0.145	4.50	3.00
SRYT.1040.YF470MT00	47	100/0.25	0.175	3.00	2.50
SRYT.1040.YF680MT00	68	100/0.25	0.220	2.50	2.00
SRYT.1040.YF101MT00	100	100/0.25	0.270	2.00	1.00

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

SOREDE Specifications subject to change without notice.

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SMD Power Inductors

SRYT.1050/1335/1340 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.1050.YFR82MT00	0.82	100/0.25	0.003	32.0	16.0
SRYT.1050.YF1R0MT00	1.0	100/0.25	0.004	30.0	15.0
SRYT.1050.YF2R2MT00	2.2	100/0.25	0.008	27.0	14.0
SRYT.1050.YF3R3MT00	3.3	100/0.25	0.011	19.0	10.0
SRYT.1050.YF4R7MT00	4.7	100/0.25	0.017	14.0	9.00
SRYT.1050.YF6R8MT00	6.8	100/0.25	0.022	10.0	8.00
SRYT.1050.YF100MT00	10	100/0.25	0.038	9.00	6.80
SRYT.1050.YF150MT00	15	100/0.25	0.045	8.00	6.00
SRYT.1050.YF220MT00	22	100/0.25	0.060	7.00	5.00
SRYT.1050.YF330MT00	33	100/0.25	0.145	6.00	3.50

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.1335.YFR22MT00	0.22	100/0.25	0.002	65.0	25.0
SRYT.1335.YFR47MT00	0.47	100/0.25	0.0025	49.0	20.0
SRYT.1335.YFR68MT00	0.68	100/0.25	0.003	35.0	18.0
SRYT.1335.YF1R0MT00	1.0	100/0.25	0.004	26.0	15.0
SRYT.1335.YF1R5MT00	1.5	100/0.25	0.005	24.0	14.5
SRYT.1335.YF2R2MT00	2.2	100/0.25	0.008	20.0	14.0
SRYT.1335.YF3R3MT00	3.3	100/0.25	0.012	16.0	12.0
SRYT.1335.YF4R7MT00	4.7	100/0.25	0.015	14.0	10.0
SRYT.1335.YF6R8MT00	6.8	100/0.25	0.025	12.0	8.00
SRYT.1335.YF100MT00	10	100/0.25	0.035	10.0	6.00

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.1340.YFR22MT00	0.22	100/0.25	0.002	55.0	23.0
SRYT.1340.YF1R0MT00	1.0	100/0.25	0.004	38.0	19.0
SRYT.1340.YF1R5MT00	1.5	100/0.25	0.005	30.0	16.0
SRYT.1340.YF2R2MT00	2.2	100/0.25	0.010	22.0	15.0
SRYT.1340.YF3R3MT00	3.3	100/0.25	0.011	20.0	14.0
SRYT.1340.YF4R7MT00	4.7	100/0.25	0.014	15.0	9.00
SRYT.1340.YF6R8MT00	6.8	100/0.25	0.024	12.0	7.00
SRYT.1340.YF100MT00	10	100/0.25	0.035	10.0	6.00
SRYT.1340.YF220MT00	22	100/0.25	0.080	7.00	4.00

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

SOREDE Specifications subject to change without notice.

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◆ SMD Power Inductors

SRYT.1350 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRYT.1350.YFR33MT00	0.33	100/0.25	0.002	60.0	32.0
SRYT.1350.YFR36MT00	0.36	100/0.25	0.002	50.0	28.0
SRYT.1350.YFR47MT00	0.47	100/0.25	0.002	48.0	25.0
SRYT.1350.YFR56MT00	0.56	100/0.25	0.002	46.0	23.0
SRYT.1350.YFR68MT00	0.68	100/0.25	0.002	40.0	20.0
SRYT.1350.YFR82MT00	0.82	100/0.25	0.003	39.0	19.0
SRYT.1350.YF1R0MT00	1.0	100/0.25	0.004	35.0	18.0
SRYT.1350.YF1R5MT00	1.5	100/0.25	0.005	33.0	17.5
SRYT.1350.YF1R8MT00	1.8	100/0.25	0.005	30.0	17.0
SRYT.1350.YF2R2MT00	2.2	100/0.25	0.005	25.0	16.0
SRYT.1350.YF3R3MT00	3.3	100/0.25	0.013	23.0	15.0
SRYT.1350.YF4R7MT00	4.7	100/0.25	0.015	21.0	12.0
SRYT.1350.YF5R6MT00	5.6	100/0.25	0.017	20.0	11.5
SRYT.1350.YF6R8MT00	6.8	100/0.25	0.019	18.0	11.0
SRYT.1350.YF8R2MT00	8.2	100/0.25	0.023	17.0	10.0
SRYT.1350.YF100MT00	10	100/0.25	0.026	13.0	6.00
SRYT.1350.YF150MT00	15	100/0.25	0.060	12.0	5.50
SRYT.1350.YF220MT00	22	100/0.25	0.075	8.00	4.00
SRYT.1350.YF330MT00	33	100/0.25	0.082	6.00	3.00
SRYT.1350.YF470MT00	47	100/0.25	0.090	3.50	2.50
SRYT.1350.YF560MT00	56	100/0.25	0.180	3.30	2.00
SRYT.1350.YF680MT00	68	100/0.25	0.210	3.00	1.50

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors SDR Series



PRODUCT IDENTIFICATION

SDR 3316 Y F 100 M I 00
a b c d e f g h

- a: Series name
- b: Product dimensions (a x c)
- c: Sealing way (L: Cold seal Y: Heat seal)
- d: Lettering direction ▶
- e: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
- f: Inductance Tolerance (K:10% ; M:20% ; N:30%)
- g: Package(T:Tape/Reel、B: Bulk)
- h: Numbering (standard)

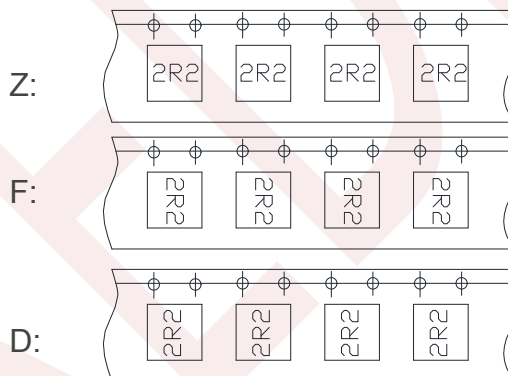
FEATURES

- ◆ Low profile very effective in space-applications.
- ◆ High energy storage and very low resistance.
- ◆ Packed in embossed carrier tape and can be used by automatic mounting machine.

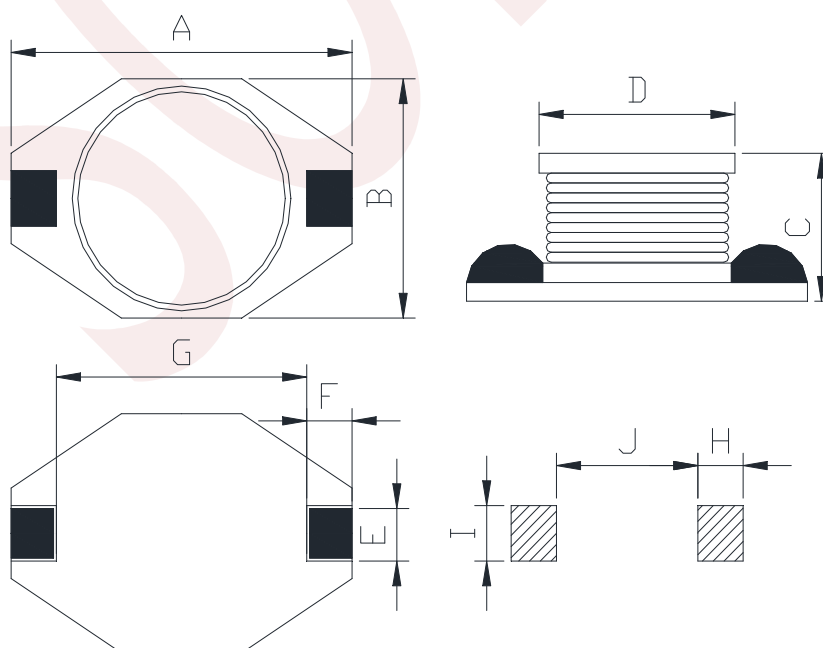
APPLICATIONS

- ◆ Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter.

▶ Lettering direction



SHAPES AND DIMENSIONS



◆ SMD Power Inductors

SDR.1608 Series

SHAPES AND DIMENSIONS

Series	Dimensions(mm)									
	A Max.	B Max.	C Max.	D Max.	E Ref.	F Ref.	G Ref.	H Ref.	I Ref.	J Ref.
SDR.1608	6.60	4.45	2.92	3.94	1.27	1.02	4.32	1.40	3.50	4.00
SDR.3308	12.95	9.40	3.50	8.38	2.54	2.54	7.62	2.90	3.00	7.30
SDR.3316	12.95	9.40	5.21	8.38	2.54	2.54	7.62	2.90	3.00	7.30
SDR.3340	12.95	9.40	11.43	8.38	2.54	2.54	7.62	2.90	3.00	7.30
SDR.5022	18.54	15.24	7.11	12.7	2.54	2.54	12.7	2.90	3.00	12.4

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SDR.1608.LF1R0MT00	1.0	100/0.25	0.050	2.90	2.90
SDR.1608.LF1R5MT00	1.5	100/0.25	0.050	2.60	2.80
SDR.1608.LF2R2MT00	2.2	100/0.25	0.070	2.30	2.40
SDR.1608.LF3R3MT00	3.3	100/0.25	0.080	2.00	2.00
SDR.1608.LF4R7MT00	4.7	100/0.25	0.090	1.50	1.50
SDR.1608.LF6R8MT00	6.8	100/0.25	0.130	1.20	1.40
SDR.1608.LF100MT00	10	100/0.25	0.160	1.10	1.30
SDR.1608.LF150MT00	15	100/0.25	0.230	0.90	1.20
SDR.1608.LF220MT00	22	100/0.25	0.370	0.70	0.80
SDR.1608.LF330MT00	33	100/0.25	0.510	0.58	0.60
SDR.1608.LF470MT00	47	100/0.25	0.640	0.50	0.50
SDR.1608.LF680MT00	68	100/0.25	0.860	0.40	0.40
SDR.1608.LF101MT00	100	100/0.25	1.270	0.31	0.30
SDR.1608.LF151MT00	150	100/0.25	2.000	0.27	0.25
SDR.1608.LF221MT00	220	100/0.25	3.110	0.22	0.20
SDR.1608.LF331MT00	330	100/0.25	3.800	0.18	0.16
SDR.1608.LF471MT00	470	100/0.25	6.200	0.16	0.15
SDR.1608.LF681MT00	680	100/0.25	9.200	0.14	0.12
SDR.1608.LF102MT00	1000	100/0.25	13.800	0.10	0.07

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 10% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors

SDR.3308/3316 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SDR.3308.LF100MT00	10	100/0.25	0.110	2.40	2.00
SDR.3308.LF150MT00	15	100/0.25	0.150	2.00	1.50
SDR.3308.LF220MT00	22	100/0.25	0.230	1.60	1.30
SDR.3308.LF330MT00	33	100/0.25	0.300	1.40	1.10
SDR.3308.LF470MT00	47	100/0.25	0.390	1.00	0.80
SDR.3308.LF680MT00	68	100/0.25	0.660	0.90	0.70
SDR.3308.LF101MT00	100	100/0.25	0.840	0.70	0.60
SDR.3308.LF151MT00	150	100/0.25	1.200	0.60	0.50
SDR.3308.LF221MT00	220	100/0.25	1.900	0.50	0.40
SDR.3308.LF331MT00	330	100/0.25	2.700	0.40	0.30
SDR.3308.LF471MT00	470	100/0.25	4.000	0.30	0.20
SDR.3308.LF681MT00	680	100/0.25	5.300	0.20	0.10
SDR.3308.LF102MT00	1000	100/0.25	8.400	0.10	0.05

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SDR.3316.LF1R0MT00	1.0	100/0.25	0.009	9.00	6.80
SDR.3316.LF2R2MT00	2.2	100/0.25	0.012	7.00	6.10
SDR.3316.LF3R3MT00	3.3	100/0.25	0.015	6.40	5.40
SDR.3316.LF4R7MT00	4.7	100/0.25	0.018	5.40	4.80
SDR.3316.LF6R8MT00	6.8	100/0.25	0.027	4.60	4.40
SDR.3316.LF100MT00	10	100/0.25	0.038	3.80	3.90
SDR.3316.LF150MT00	15	100/0.25	0.046	3.00	3.10
SDR.3316.LF220MT00	22	100/0.25	0.085	2.60	2.70
SDR.3316.LF330MT00	33	100/0.25	0.100	2.00	2.10
SDR.3316.LF470MT00	47	100/0.25	0.140	1.60	1.80
SDR.3316.LF680MT00	68	100/0.25	0.200	1.40	1.50
SDR.3316.LF101MT00	100	100/0.25	0.280	1.20	1.30
SDR.3316.LF151MT00	150	100/0.25	0.400	1.00	1.00
SDR.3316.LF221MT00	220	100/0.25	0.610	0.80	0.80
SDR.3316.LF331MT00	330	100/0.25	1.020	0.60	0.60
SDR.3316.LF471MT00	470	100/0.25	1.270	0.50	0.50
SDR.3316.LF681MT00	680	100/0.25	2.020	0.40	0.40
SDR.3316.LF102MT00	1000	100/0.25	3.000	0.30	0.30

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 10% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

SOREDE Specifications subject to change without notice.

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◆ SMD Power Inductors

SDR.3340/5022 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SDR.3340.LF100MT00	10	100/0.25	0.040	8.00	3.50
SDR.3340.LF150MT00	15	100/0.25	0.050	7.00	3.00
SDR.3340.LF220MT00	22	100/0.25	0.066	5.50	2.50
SDR.3340.LF330MT00	33	100/0.25	0.080	4.00	2.00
SDR.3340.LF470MT00	47	100/0.25	0.110	3.80	1.60
SDR.3340.LF680MT00	68	100/0.25	0.170	3.00	1.20
SDR.3340.LF101MT00	100	100/0.25	0.220	2.50	1.00
SDR.3340.LF151MT00	150	100/0.25	0.340	2.00	0.90
SDR.3340.LF221MT00	220	100/0.25	0.440	1.60	0.70
SDR.3340.LF331MT00	330	100/0.25	0.700	1.20	0.60
SDR.3340.LF471MT00	470	100/0.25	0.950	1.10	0.30
SDR.3340.LF681MT00	680	100/0.25	1.200	1.00	0.20
SDR.3340.LF102MT00	1000	100/0.25	2.000	0.80	0.10

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SDR.5022.LF1R0MT00	1.0	100/0.25	0.009	20.00	8.60
SDR.5022.LF2R2MT00	2.2	100/0.25	0.014	16.00	7.10
SDR.5022.LF3R3MT00	3.3	100/0.25	0.018	14.00	6.20
SDR.5022.LF5R6MT00	5.6	100/0.25	0.020	12.00	5.30
SDR.5022.LF100MT00	10	100/0.25	0.031	10.00	4.30
SDR.5022.LF150MT00	15	100/0.25	0.036	8.00	4.00
SDR.5022.LF220MT00	22	100/0.25	0.047	7.00	3.50
SDR.5022.LF330MT00	33	100/0.25	0.066	5.50	3.00
SDR.5022.LF470MT00	47	100/0.25	0.086	4.50	2.60
SDR.5022.LF680MT00	68	100/0.25	0.130	3.50	2.30
SDR.5022.LF101MT00	100	100/0.25	0.190	3.00	1.80
SDR.5022.LF151MT00	150	100/0.25	0.250	2.60	1.50
SDR.5022.LF221MT00	220	100/0.25	0.380	2.40	1.20
SDR.5022.LF331MT00	330	100/0.25	0.560	1.90	1.00
SDR.5022.LF471MT00	470	100/0.25	0.850	1.40	0.82
SDR.5022.LF681MT00	680	100/0.25	1.100	1.20	0.72
SDR.5022.LF102MT00	1000	100/0.25	1.800	1.00	0.56

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 10% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

SOREDE Specifications subject to change without notice.

索 瑞 達 電 子 Shenzhen SOREDE electronics co., LTD Tel: 0755-29803358 Fax: 0755-29803506 www.szsorede.com

◆ SMD Power Inductors SDRS Series



PRODUCT IDENTIFICATION

SDRS 3316 L F 100 M T 00
a b c d e f g h

- a: Series name
- b: Product dimensions (a x c)
- c: Sealing way (L: Cold seal Y: Heat seal)
- d: Lettering direction ▶
- e: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
- f: Inductance Tolerance (K:10% ; M:20% ; N:30%)
- g: Package(T:Tape/Reel、B: Bulk)
- h: Numbering (standard)

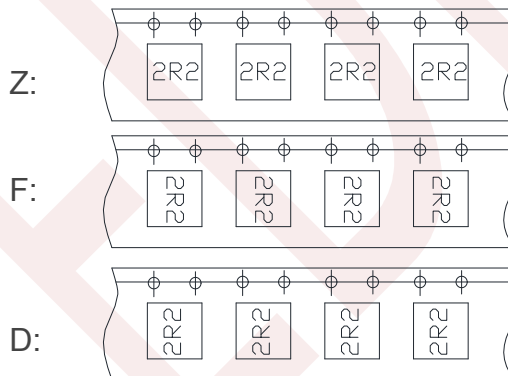
FEATURES

- ◆ Low profile very effective in space-applications.
- ◆ High energy storage and very low resistance.
- ◆ Packed in embossed carrier tape and can be used by automatic mounting machine.

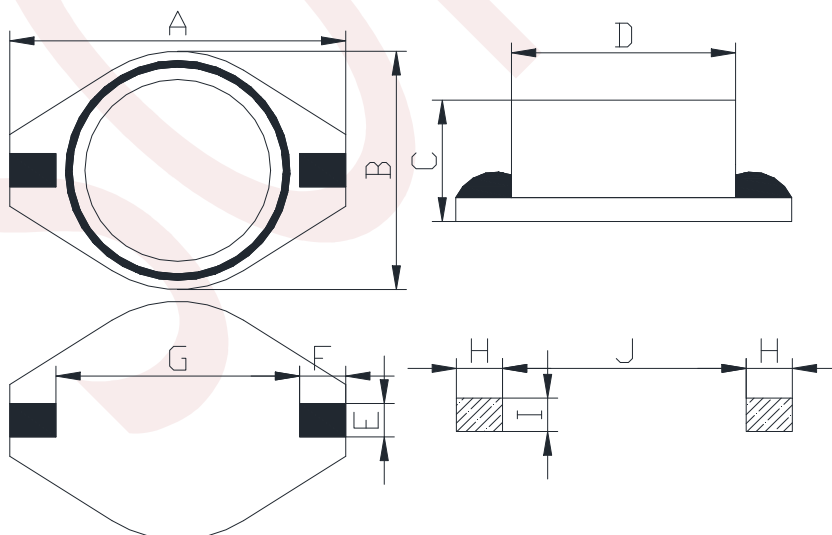
APPLICATIONS

- ◆ Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter.

▶ Lettering direction



SHAPES AND DIMENSIONS



Series	Dimensions(mm)									
	A Max.	B Max.	C Max.	D Max.	E Ref.	F Ref.	G Ref.	H Ref.	I Ref.	J Ref.
SDRS.3316	12.95	9.40	5.21	8.38	2.54	2.54	7.62	2.90	3.00	7.30
SDRS.5022	18.54	15.24	7.11	12.7	2.54	2.54	12.7	2.90	3.00	12.4

SOREDE Specifications subject to change without notice.

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◆ SMD Power Inductors

SDRS.3316/5022 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SDRS.3316.LF1R0MT00	1.0	100/0.25	0.021	5.60	5.00
SDRS.3316.LF1R5MT00	1.5	100/0.25	0.022	5.20	4.50
SDRS.3316.LF2R2MT00	2.2	100/0.25	0.032	5.00	3.80
SDRS.3316.LF3R3MT00	3.3	100/0.25	0.039	3.90	3.30
SDRS.3316.LF4R7MT00	4.7	100/0.25	0.054	3.20	2.70
SDRS.3316.LF6R8MT00	6.8	100/0.25	0.075	2.80	2.20
SDRS.3316.LF100MT00	10	100/0.25	0.101	2.40	2.00
SDRS.3316.LF150MT00	15	100/0.25	0.150	2.00	1.50
SDRS.3316.LF220MT00	22	100/0.25	0.207	1.60	1.30
SDRS.3316.LF330MT00	33	100/0.25	0.334	1.40	1.10
SDRS.3316.LF470MT00	47	100/0.25	0.472	1.00	0.80
SDRS.3316.LF680MT00	68	100/0.25	0.660	0.90	0.70
SDRS.3316.LF101MT00	100	100/0.25	1.110	0.80	0.60
SDRS.3316.LF151MT00	150	100/0.25	1.550	0.60	0.50
SDRS.3316.LF221MT00	220	100/0.25	2.000	0.50	0.40

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SDRS.5022.LF100MT00	10	100/0.25	0.040	8.00	3.90
SDRS.5022.LF150MT00	15	100/0.25	0.048	7.00	3.40
SDRS.5022.LF220MT00	22	100/0.25	0.059	6.00	3.10
SDRS.5022.LF330MT00	33	100/0.25	0.075	5.00	2.80
SDRS.5022.LF470MT00	47	100/0.25	0.097	4.00	2.40
SDRS.5022.LF680MT00	68	100/0.25	0.138	3.00	2.00
SDRS.5022.LF101MT00	100	100/0.25	0.207	2.40	1.70
SDRS.5022.LF151MT00	150	100/0.25	0.293	2.10	1.30
SDRS.5022.LF221MT00	220	100/0.25	0.470	1.90	1.10
SDRS.5022.LF331MT00	330	100/0.25	0.780	1.10	0.86
SDRS.5022.LF471MT00	470	100/0.25	1.080	1.10	0.73
SDRS.5022.LF681MT00	680	100/0.25	1.400	0.96	0.64
SDRS.5022.LF102MT00	1000	100/0.25	2.010	0.80	0.53

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 10% from its value without current;

Heat Rating Current : DC current that causes the temperature rise ($\Delta T = 40^{\circ}\text{C}$) from 25°C ambient;

◆ SMD Power Inductors SRWV Series



PRODUCT IDENTIFICATION

SRWV 3225 Y D 100 M T 00
a b c d e f g h

- a: Series name
- b: Product dimensions (a x c)
- c: Sealing way (L: Cold seal Y: Heat seal)
- d: Lettering direction ▶
- e: Inductance Value
(1R0:1.0uH; 100: 10uH; 101:100uH)
- f: Inductance Tolerance (J:10% ; K:10% ; M:20% ;)
- g: Package(T:Tape/Reel、B: Bulk)
- h: Numbering (standard)

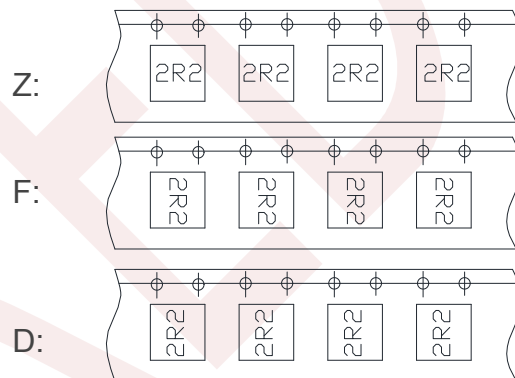
FEATURES

- ◆ Constructed of heat resistant molded resin having excellent heat resistance and mechanical strength.
- ◆ Uses metal terminals, which gives excellent connection reliability.

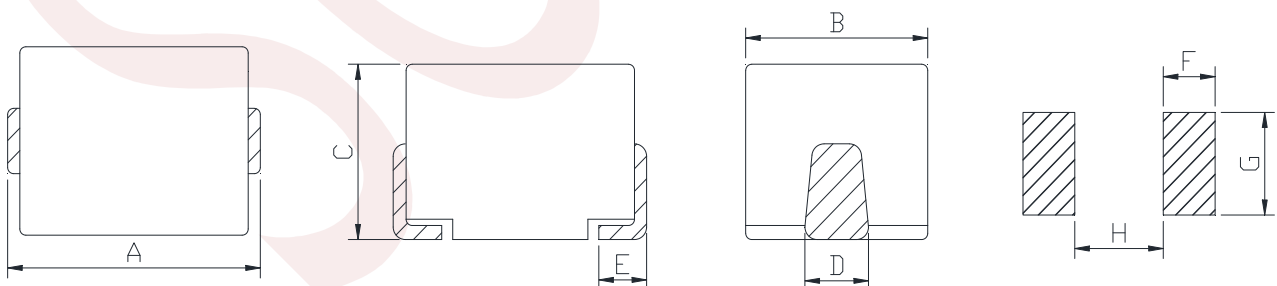
APPLICATIONS

- ◆ Ideally used in video cameras, hard disk drives, liquid crystal television sets, car audio equipment, mobile, communications and other small-sized general electronic appliances.

▶ Lettering direction



SHAPES AND DIMENSIONS



Series	Dimensions(mm)							
	A	B	C	D Typ.	E	F Ref.	G Ref.	H Ref.
SRWV.3225	3.2±0.3	2.5±0.2	2.2±0.2	0.6	1.0±0.2	1.2	1.2	2.0
SRWV.4532	4.5±0.3	3.2±0.2	3.2±0.2	1.2	1.1±0.2	1.7	1.5	2.5

SMD Power Inductors SRWV.3225 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (MHz)	DCR Max. (Ω)	IDC Max. (mA)	SRF Min.(MHz)
SRWV.3225.YD1R0JT00	1.0	7.96	0.700	0.40	120
SRWV.3225.YD1R2JT00	1.2	7.96	0.750	0.39	100
SRWV.3225.YD1R5JT00	1.5	7.96	0.850	0.37	85
SRWV.3225.YD1R8JT00	1.8	7.96	0.900	0.35	80
SRWV.3225.YD2R2JT00	2.2	7.96	1.000	0.32	75
SRWV.3225.YD2R7JT00	2.7	7.96	1.100	0.29	70
SRWV.3225.YD3R3JT00	3.3	7.96	1.200	0.26	60
SRWV.3225.YD3R9JT00	3.9	7.96	1.300	0.25	55
SRWV.3225.YD4R7JT00	4.7	7.96	1.500	0.22	50
SRWV.3225.YD5R6JT00	5.6	7.96	1.600	0.20	45
SRWV.3225.YD6R8JT00	6.8	7.96	1.800	0.18	40
SRWV.3225.YD8R2JT00	8.2	7.96	2.000	0.17	35
SRWV.3225.YD100JT00	10	2.52	2.100	0.15	30
SRWV.3225.YD120JT00	12	2.52	2.500	0.14	20
SRWV.3225.YD150JT00	15	2.52	2.800	0.13	20
SRWV.3225.YD180JT00	18	2.52	3.300	0.12	20
SRWV.3225.YD220JT00	22	2.52	3.700	0.11	20
SRWV.3225.YD270JT00	27	2.52	5.000	0.080	20
SRWV.3225.YD330JT00	33	2.52	5.600	0.070	17
SRWV.3225.YD390JT00	39	2.52	6.400	0.065	16
SRWV.3225.YD470JT00	47	2.52	7.00	0.060	15
SRWV.3225.YD560JT00	56	2.52	8.00	0.055	13
SRWV.3225.YD680JT00	68	2.52	9.00	0.050	12
SRWV.3225.YD820JT00	82	2.52	10.00	0.045	11
SRWV.3225.YD101KT00	100	0.796	10.50	0.040	10
SRWV.3225.YD121KT00	120	0.796	11.00	0.070	10
SRWV.3225.YD151KT00	150	0.796	15.00	0.065	8
SRWV.3225.YD181KT00	180	0.796	17.00	0.060	7
SRWV.3225.YD221KT00	220	0.796	21.00	0.050	7
SRWV.3225.YD331KT00	330	0.796	34.00	0.040	5
SRWV.3225.YD391KT00	390	0.796	36.00	0.035	5
SRWV.3225.YD471KT00	470	0.796	40.00	0.025	4
SRWV.3225.YD102KT00	1000	0.252	24.00	0.015	2.4

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

◆ SMD Power Inductors

SRVV.4532 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (MHz)	DCR Max. (Ω)	IDC Max. (mA)	SRF Min.(MHz)
SRVV.4532.YDR10JT00	0.10	25.2	0.180	0.80	300
SRVV.4532.YDR18JT00	0.18	25.2	0.240	0.70	220
SRVV.4532.YDR22JT00	0.22	25.2	0.250	0.65	200
SRVV.4532.YDR33JT00	0.33	25.2	0.280	0.60	165
SRVV.4532.YDR47JT00	0.47	25.2	0.320	0.54	145
SRVV.4532.YDR56JT00	0.56	25.2	0.360	0.52	140
SRVV.4532.YDR68JT00	0.68	25.2	0.400	0.50	135
SRVV.4532.YDR82JT00	0.82	25.2	0.450	0.47	130
SRVV.4532.YD1R0JT00	1.0	25.2	0.500	0.45	100
SRVV.4532.YD1R2JT00	1.2	7.96	0.550	0.43	80
SRVV.4532.YD1R5JT00	1.5	7.96	0.600	0.41	70
SRVV.4532.YD1R8JT00	1.8	7.96	0.650	0.39	60
SRVV.4532.YD2R2JT00	2.2	7.96	0.700	0.38	55
SRVV.4532.YD2R7JT00	2.7	7.96	0.750	0.37	50
SRVV.4532.YD3R3JT00	3.3	7.96	0.800	0.35	45
SRVV.4532.YD3R9JT00	3.9	7.96	0.900	0.33	40
SRVV.4532.YD4R7JT00	4.7	7.96	1.000	0.31	35
SRVV.4532.YD5R6JT00	5.6	7.96	1.100	0.30	33
SRVV.4532.YD6R8JT00	6.8	7.96	1.200	0.28	27
SRVV.4532.YD8R2JT00	8.2	7.96	1.400	0.27	25
SRVV.4532.YD100JT00	10	2.52	1.600	0.25	20
SRVV.4532.YD120JT00	12	2.52	2.000	0.22	18
SRVV.4532.YD150JT00	15	2.52	2.500	0.20	17
SRVV.4532.YD180JT00	18	2.52	2.800	0.19	15
SRVV.4532.YD220JT00	22	2.52	3.200	0.18	13
SRVV.4532.YD270JT00	27	2.52	3.600	0.17	12
SRVV.4532.YD330JT00	33	2.52	4.000	0.16	11
SRVV.4532.YD390JT00	39	2.52	4.500	0.15	10
SRVV.4532.YD470JT00	47	2.52	5.000	0.14	10
SRVV.4532.YD560JT00	56	2.52	5.500	0.13	9
SRVV.4532.YD680JT00	68	2.52	6.000	0.13	9
SRVV.4532.YD820JT00	82	2.52	7.000	0.12	8
SRVV.4532.YD101KT00	100	0.796	8.000	0.11	8
SRVV.4532.YD121KT00	120	0.796	8.000	0.11	6
SRVV.4532.YD151KT00	150	0.796	9.000	0.10	5

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

SOREDE Specifications subject to change without notice.

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◆ DIP Power Inductors SH Series



PRODUCT IDENTIFICATION

SH 0810 100 K T 00
a b c d e g

a: Series name

b: Product dimensions

c: Inductance Value

(1R0:1.0uH; 100: 10uH; 101:100uH)

d: Inductance Tolerance (J:5%; K:10% ; M:20%)

g: Package(T:Tape/Reel、B: Bulk)

h: Numbering (standard)

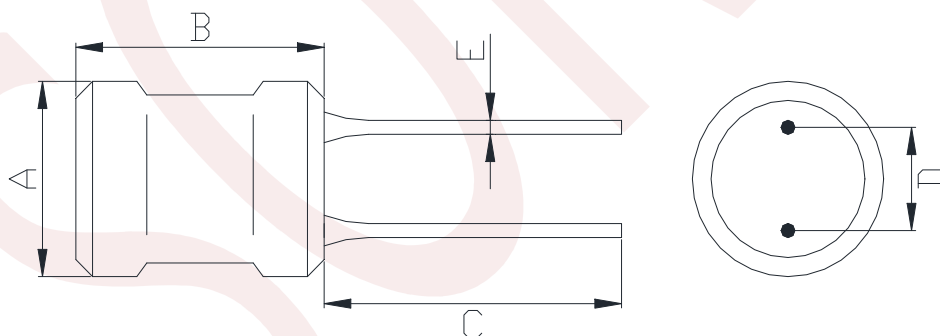
FEATURES

- ◆ Low cost.
- ◆ Wide range of inductance.
- ◆ Small mounting space required.
- ◆ The other types with low DCR, large current, best for the power supply line.

APPLICATIONS

- Power supplies, DC-DC converters, TVs, VTRs, computer, computer peripherals, home electric appliance, ect.

SHAPES AND DIMENSIONS



Series	Dimensions(mm)				
	A Max.	B Max.	C Ref.	D	E Ref.
SH.0406	5.50	8.00	15.0	2.0 ± 0.5	0.50
SH.0608	7.50	10.00	15.0	3.0 ± 0.5	0.60
SH.0810	10.00	13.00	15.0	5.0 ± 0.5	0.65
SH.0912	11.00	15.00	15.0	5.0 ± 0.5	0.80
SH.1012	12.00	15.00	15.0	5.0 ± 0.5	0.80

◆ DIP Power Inductors SH.0406 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SH.0406.1R0MT00	1.0	1.0/0.25	0.035	2.00
SH.0406.1R2MT00	1.2	1.0/0.25	0.058	1.95
SH.0406.1R5MT00	1.5	1.0/0.25	0.075	1.90
SH.0406.1R8MT00	1.8	1.0/0.25	0.110	1.80
SH.0406.2R2MT00	2.2	1.0/0.25	0.120	1.75
SH.0406.2R7MT00	2.7	1.0/0.25	0.125	1.68
SH.0406.3R3MT00	3.3	1.0/0.25	0.130	1.50
SH.0406.3R9MT00	3.9	1.0/0.25	0.135	1.45
SH.0406.4R7MT00	4.7	1.0/0.25	0.140	1.32
SH.0406.5R6MT00	5.6	1.0/0.25	0.145	1.23
SH.0406.6R8MT00	6.8	1.0/0.25	0.150	1.15
SH.0406.8R2MT00	8.2	1.0/0.25	0.160	1.10
SH.0406.100KT00	10	1.0/0.25	0.230	1.00
SH.0406.120KT00	12	1.0/0.25	0.240	0.97
SH.0406.150KT00	15	1.0/0.25	0.250	0.92
SH.0406.180KT00	18	1.0/0.25	0.330	0.86
SH.0406.220KT00	22	1.0/0.25	0.450	0.80
SH.0406.270KT00	27	1.0/0.25	0.500	0.71
SH.0406.330KT00	33	1.0/0.25	0.700	0.66
SH.0406.390KT00	39	1.0/0.25	0.740	0.60
SH.0406.470KT00	47	1.0/0.25	0.760	0.55
SH.0406.560KT00	56	1.0/0.25	0.800	0.50
SH.0406.680KT00	68	1.0/0.25	0.900	0.47
SH.0406.820KT00	82	1.0/0.25	0.950	0.43
SH.0406.101KT00	100	1.0/0.25	1.000	0.40
SH.0406.121KT00	120	1.0/0.25	1.100	0.37
SH.0406.151KT00	150	1.0/0.25	1.300	0.35
SH.0406.181KT00	180	1.0/0.25	1.500	0.32
SH.0406.221KT00	220	1.0/0.25	1.800	0.30
SH.0406.271KT00	270	1.0/0.25	1.900	0.27
SH.0406.331KT00	330	1.0/0.25	2.200	0.25
SH.0406.391KT00	390	1.0/0.25	2.700	0.22
SH.0406.471KT00	470	1.0/0.25	3.600	0.20
SH.0406.561KT00	560	1.0/0.25	4.200	0.19
SH.0406.681KT00	680	1.0/0.25	4.600	0.17
SH.0406.821KT00	820	1.0/0.25	5.700	0.16

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

SOREDE Specifications subject to change without notice.

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DIP Power Inductors SH.0608 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SH.0608.3R3MT00	3.3	1.0/0.25	0.016	3.50
SH.0608.4R7MT00	4.7	1.0/0.25	0.020	3.00
SH.0608.6R8MT00	6.8	1.0/0.25	0.022	2.50
SH.0608.100KT00	10	1.0/0.25	0.039	2.00
SH.0608.150KT00	15	1.0/0.25	0.045	1.70
SH.0608.220KT00	22	1.0/0.25	0.062	1.40
SH.0608.330KT00	33	1.0/0.25	0.100	1.10
SH.0608.470KT00	47	1.0/0.25	0.150	0.95
SH.0608.680KT00	68	1.0/0.25	0.220	0.80
SH.0608.101KT00	100	1.0/0.25	0.350	0.65
SH.0608.151KT00	150	1.0/0.25	0.430	0.54
SH.0608.221KT00	220	1.0/0.25	0.900	0.44
SH.0608.331KT00	330	1.0/0.25	1.500	0.36
SH.0608.471KT00	470	1.0/0.25	1.800	0.30
SH.0608.681KT00	680	1.0/0.25	2.500	0.25
SH.0608.102KT00	1000	1.0/0.25	3.200	0.20
SH.0608.122KT00	1200	1.0/0.25	3.500	0.18
SH.0608.152KT00	1500	1.0/0.25	4.500	0.17
SH.0608.182KT00	1800	1.0/0.25	5.000	0.15
SH.0608.222KT00	2200	1.0/0.25	6.800	0.14
SH.0608.272KT00	2700	1.0/0.25	7.200	0.12
SH.0608.332KT00	3300	1.0/0.25	10.500	0.11
SH.0608.392KT00	3900	1.0/0.25	11.700	0.10
SH.0608.472KT00	4700	1.0/0.25	13.600	0.09
SH.0608.562KT00	5600	1.0/0.25	16.600	0.08
SH.0608.682KT00	6800	1.0/0.25	19.600	0.08
SH.0608.822KT00	8200	1.0/0.25	25.200	0.07
SH.0608.103KT00	10000	1.0/0.25	29.500	0.06
SH.0608.123KT00	12000	1.0/0.25	33.800	0.06
SH.0608.153KT00	15000	1.0/0.25	45.400	0.05
SH.0608.183KT00	18000	1.0/0.25	50.400	0.05
SH.0608.223KT00	22000	1.0/0.25	80.000	0.04
SH.0608.273KT00	27000	1.0/0.25	91.500	0.04
SH.0608.333KT00	33000	1.0/0.25	98.500	0.03
SH.0608.393KT00	39000	1.0/0.25	140.000	0.03
SH.0608.473KT00	47000	1.0/0.25	160.000	0.03

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

SOREDE Specifications subject to change without notice.

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◆ DIP Power Inductors SH.0810 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SH.0810.3R3MT00	3.3	1.0/0.25	0.012	5.00
SH.0810.3R9MT00	3.9	1.0/0.25	0.014	4.60
SH.0810.4R7MT00	4.7	1.0/0.25	0.016	4.30
SH.0810.5R6MT00	5.6	1.0/0.25	0.020	3.90
SH.0810.6R8MT00	6.8	1.0/0.25	0.022	3.70
SH.0810.8R2MT00	8.2	1.0/0.25	0.024	3.50
SH.0810.100KT00	10	1.0/0.25	0.025	3.20
SH.0810.120KT00	12	1.0/0.25	0.027	3.00
SH.0810.150KT00	15	1.0/0.25	0.033	2.80
SH.0810.180KT00	18	1.0/0.25	0.039	2.60
SH.0810.220KT00	22	1.0/0.25	0.047	2.40
SH.0810.270KT00	27	1.0/0.25	0.052	2.10
SH.0810.330KT00	33	1.0/0.25	0.075	1.90
SH.0810.390KT00	39	1.0/0.25	0.082	1.70
SH.0810.470KT00	47	1.0/0.25	0.100	1.50
SH.0810.560KT00	56	1.0/0.25	0.150	1.30
SH.0810.680KT00	68	1.0/0.25	0.180	1.20
SH.0810.820KT00	82	1.0/0.25	0.200	1.10
SH.0810.101KT00	100	1.0/0.25	0.210	0.90
SH.0810.121KT00	120	1.0/0.25	0.220	0.80
SH.0810.151KT00	150	1.0/0.25	0.240	0.72
SH.0810.181KT00	180	1.0/0.25	0.280	0.65
SH.0810.221KT00	220	1.0/0.25	0.350	0.60
SH.0810.271KT00	270	1.0/0.25	0.400	0.55
SH.0810.331KT00	330	1.0/0.25	0.470	0.50
SH.0810.391KT00	390	1.0/0.25	0.680	0.46
SH.0810.471KT00	470	1.0/0.25	0.800	0.42
SH.0810.561KT00	560	1.0/0.25	1.000	0.38
SH.0810.681KT00	680	1.0/0.25	1.200	0.35
SH.0810.821KT00	820	1.0/0.25	1.500	0.31
SH.0810.102KT00	1000	1.0/0.25	1.800	0.28
SH.0810.122KT00	1200	1.0/0.25	2.000	0.25
SH.0810.152KT00	1500	1.0/0.25	2.400	0.23
SH.0810.182KT00	1800	1.0/0.25	2.800	0.21
SH.0810.222KT00	2200	1.0/0.25	3.300	0.19
SH.0810.272KT00	2700	1.0/0.25	5.000	0.17

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

SOREDE Specifications subject to change without notice.

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◆ DIP Power Inductors SH.0912 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SH.0912.1R0MT00	1.0	1.0/0.25	0.011	5.00
SH.0912.1R5MT00	1.5	1.0/0.25	0.012	4.80
SH.0912.1R8MT00	1.8	1.0/0.25	0.013	4.70
SH.0912.2R2MT00	2.2	1.0/0.25	0.015	4.60
SH.0912.3R3MT00	3.3	1.0/0.25	0.017	4.50
SH.0912.3R9MT00	3.9	1.0/0.25	0.019	4.30
SH.0912.4R7MT00	4.7	1.0/0.25	0.020	4.00
SH.0912.5R6MT00	5.6	1.0/0.25	0.023	3.80
SH.0912.6R8MT00	6.8	1.0/0.25	0.025	3.50
SH.0912.8R2MT00	8.2	1.0/0.25	0.027	3.00
SH.0912.100KT00	10	1.0/0.25	0.035	2.80
SH.0912.120KT00	12	1.0/0.25	0.040	2.70
SH.0912.150KT00	15	1.0/0.25	0.045	2.30
SH.0912.180KT00	18	1.0/0.25	0.050	2.10
SH.0912.220KT00	22	1.0/0.25	0.060	2.00
SH.0912.270KT00	27	1.0/0.25	0.070	1.70
SH.0912.330KT00	33	1.0/0.25	0.100	1.50
SH.0912.390KT00	39	1.0/0.25	0.120	1.40
SH.0912.470KT00	47	1.0/0.25	0.125	1.30
SH.0912.560KT00	56	1.0/0.25	0.130	1.20
SH.0912.680KT00	68	1.0/0.25	0.140	1.00
SH.0912.820KT00	82	1.0/0.25	0.150	0.90
SH.0912.101KT00	100	1.0/0.25	0.160	0.70
SH.0912.121KT00	120	1.0/0.25	0.250	0.68
SH.0912.151KT00	150	1.0/0.25	0.280	0.65
SH.0912.181KT00	180	1.0/0.25	0.320	0.60
SH.0912.221KT00	220	1.0/0.25	0.470	0.50
SH.0912.271KT00	270	1.0/0.25	0.530	0.45
SH.0912.331KT00	330	1.0/0.25	0.600	0.40
SH.0912.391KT00	390	1.0/0.25	0.850	0.35
SH.0912.471KT00	470	1.0/0.25	0.950	0.33
SH.0912.561KT00	560	1.0/0.25	1.100	0.30
SH.0912.681KT00	680	1.0/0.25	1.200	0.25
SH.0912.821KT00	820	1.0/0.25	1.300	0.20
SH.0912.102KT00	1000	1.0/0.25	1.400	0.18
SH.0912.152KT00	1500	1.0/0.25	2.900	0.15

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

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◆ DIP Power Inductors SH.1012 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SH.1012.1R0MT00	1.0	1.0/0.25	0.010	6.00
SH.1012.1R5MT00	1.5	1.0/0.25	0.012	5.80
SH.1012.1R8MT00	1.8	1.0/0.25	0.014	5.70
SH.1012.2R7MT00	2.7	1.0/0.25	0.015	5.50
SH.1012.3R3MT00	3.3	1.0/0.25	0.018	5.30
SH.1012.3R9MT00	3.9	1.0/0.25	0.020	5.00
SH.1012.4R7MT00	4.7	1.0/0.25	0.023	4.90
SH.1012.5R6MT00	5.6	1.0/0.25	0.025	4.80
SH.1012.6R8MT00	6.8	1.0/0.25	0.027	4.60
SH.1012.8R2MT00	8.2	1.0/0.25	0.029	4.50
SH.1012.100KT00	10	1.0/0.25	0.031	4.40
SH.1012.120KT00	12	1.0/0.25	0.033	4.30
SH.1012.150KT00	15	1.0/0.25	0.035	4.20
SH.1012.180KT00	18	1.0/0.25	0.040	4.00
SH.1012.220KT00	22	1.0/0.25	0.045	3.80
SH.1012.270KT00	27	1.0/0.25	0.050	3.50
SH.1012.330KT00	33	1.0/0.25	0.055	3.00
SH.1012.390KT00	39	1.0/0.25	0.060	2.50
SH.1012.470KT00	47	1.0/0.25	0.080	2.30
SH.1012.560KT00	56	1.0/0.25	0.085	2.00
SH.1012.680KT00	68	1.0/0.25	0.095	1.90
SH.1012.820KT00	82	1.0/0.25	0.110	1.80
SH.1012.101KT00	100	1.0/0.25	0.140	1.70
SH.1012.121KT00	120	1.0/0.25	0.160	1.50
SH.1012.151KT00	150	1.0/0.25	0.180	1.40
SH.1012.181KT00	180	1.0/0.25	0.250	1.30
SH.1012.221KT00	220	1.0/0.25	0.280	1.00
SH.1012.271KT00	270	1.0/0.25	0.420	0.90
SH.1012.331KT00	330	1.0/0.25	0.540	0.80
SH.1012.391KT00	390	1.0/0.25	0.600	0.75
SH.1012.471KT00	470	1.0/0.25	0.660	0.70
SH.1012.561KT00	560	1.0/0.25	0.740	0.60
SH.1012.681KT00	680	1.0/0.25	0.840	0.55
SH.1012.821KT00	820	1.0/0.25	1.080	0.50
SH.1012.102KT00	1000	1.0/0.25	1.390	0.45
SH.1012.103KT00	10000	1.0/0.25	12.000	0.18

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

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◆ DIP Power Inductors SCR Series



FEATURES

- ◆ Low cost.
- ◆ Wide range of inductance.
- ◆ Small mounting space required.
- ◆ The other types with low DCR, large current, best for the power supply line.

APPLICATIONS

- Power supplies, DC-DC converters, TVs, VTRs, computer, computer peripherals, home electric appliance, ect.

PRODUCT IDENTIFICATION

SCR 114 100 K I 00
a b c d e f

a: Series name

b: Product dimensions

c: Inductance Value

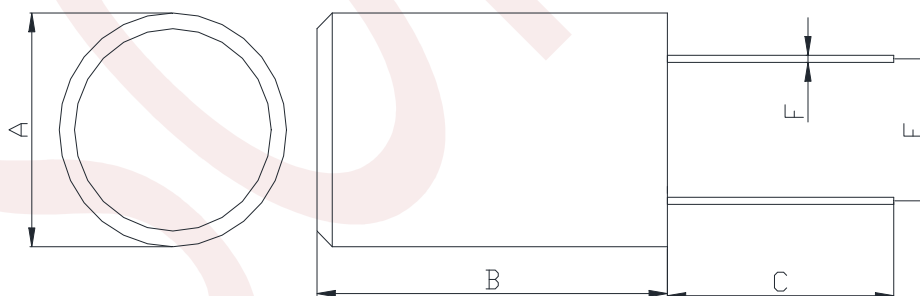
(1R0:1.0uH; 100: 10uH; 101:100uH)

d: Inductance Tolerance (J:5%; K:10% ; M:20%)

g: Package(T:Tape/Reel、B: Bulk)

h: Numbering (standard)

SHAPES AND DIMENSIONS



Series	Dimensions(mm)				
	A Max.	B Max.	C Ref.	E Ref.	F Ref.
SCR.110	11.0	11.0	15.0	5.0	0.65
SCR.112	11.0	13.0	15.0	5.0	0.65
SCR.114	11.0	15.0	15.0	5.0	0.65
SCR.124	13.0	15.0	15.0	5.0	0.80

◆ DIP Power Inductors SCR.110 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCR.110.100MT00	10.0	1.0/0.25	0.018	1.00
SCR.110.150MT00	15.0	1.0/0.25	0.020	0.810
SCR.110.180MT00	18.0	1.0/0.25	0.023	0.765
SCR.110.220MT00	22.0	1.0/0.25	0.025	0.630
SCR.110.270MT00	27.0	1.0/0.25	0.027	0.495
SCR.110.330MT00	33.0	1.0/0.25	0.034	0.470
SCR.110.390MT00	39.0	1.0/0.25	0.039	0.390
SCR.110.470MT00	47.0	1.0/0.25	0.047	0.370
SCR.110.560MT00	56.0	1.0/0.25	0.049	0.325
SCR.110.680MT00	68.0	1.0/0.25	0.056	0.290
SCR.110.820MT00	82.0	1.0/0.25	0.061	0.270
SCR.110.101MT00	100.0	1.0/0.25	0.069	0.230
SCR.110.151MT00	150.0	1.0/0.25	0.095	0.200
SCR.110.181MT00	180.0	1.0/0.25	0.105	0.175
SCR.110.221MT00	220.0	1.0/0.25	0.115	0.160
SCR.110.271MT00	270.0	1.0/0.25	0.150	0.140
SCR.110.331MT00	330.0	1.0/0.25	0.195	0.115
SCR.110.391MT00	390.0	1.0/0.25	0.210	0.108
SCR.110.471MT00	470.0	1.0/0.25	0.250	0.104
SCR.110.561MT00	560.0	1.0/0.25	0.280	0.095
SCR.110.681MT00	680.0	1.0/0.25	0.365	0.078
SCR.110.821MT00	820.0	1.0/0.25	0.425	0.075
SCR.110.102MT00	1000	1.0/0.25	0.470	0.068
SCR.110.122MT00	1200	1.0/0.25	1.00	0.050
SCR.110.152MT00	1500	1.0/0.25	5.90	0.046
SCR.110.182MT00	1800	1.0/0.25	6.60	0.041
SCR.110.222MT00	2200	1.0/0.25	7.80	0.037
SCR.110.272MT00	2700	1.0/0.25	9.00	0.034
SCR.110.332MT00	3300	1.0/0.25	10.00	0.030
SCR.110.392MT00	3900	1.0/0.25	11.50	0.028
SCR.110.472MT00	4700	1.0/0.25	12.60	0.025
SCR.110.562MT00	5600	1.0/0.25	17.20	0.023
SCR.110.682MT00	6800	1.0/0.25	19.00	0.020
SCR.110.822MT00	8200	1.0/0.25	22.00	0.018
SCR.110.103MT00	10000	1.0/0.25	25.0	0.015

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

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◆ DIP Power Inductors SCR.112 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCR.112.100MT00	10.0	1.0/0.25	0.027	3.30
SCR.112.150MT00	15.0	1.0/0.25	0.033	2.80
SCR.112.180MT00	18.0	1.0/0.25	0.037	2.50
SCR.112.220MT00	22.0	1.0/0.25	0.045	2.25
SCR.112.270MT00	27.0	1.0/0.25	0.051	2.00
SCR.112.330MT00	33.0	1.0/0.25	0.067	1.87
SCR.112.390MT00	39.0	1.0/0.25	0.076	1.68
SCR.112.470MT00	47.0	1.0/0.25	0.085	1.50
SCR.112.560MT00	56.0	1.0/0.25	0.094	1.44
SCR.112.680MT00	68.0	1.0/0.25	0.103	1.28
SCR.112.820MT00	82.0	1.0/0.25	0.125	1.20
SCR.112.101MT00	100.0	1.0/0.25	0.170	1.11
SCR.112.151MT00	150.0	1.0/0.25	0.210	0.84
SCR.112.181MT00	180.0	1.0/0.25	0.235	0.81
SCR.112.221MT00	220.0	1.0/0.25	0.300	0.72
SCR.112.271MT00	270.0	1.0/0.25	0.420	0.64
SCR.112.331MT00	330.0	1.0/0.25	0.475	0.59
SCR.112.391MT00	390.0	1.0/0.25	0.600	0.54
SCR.112.471MT00	470.0	1.0/0.25	0.668	0.50
SCR.112.561MT00	560.0	1.0/0.25	0.855	0.43
SCR.112.681MT00	680.0	1.0/0.25	1.080	0.39
SCR.112.821MT00	820.0	1.0/0.25	1.200	0.37
SCR.112.102MT00	1000	1.0/0.25	1.380	0.33
SCR.112.122MT00	1200	1.0/0.25	3.700	0.05
SCR.112.152MT00	1500	1.0/0.25	4.00	0.04
SCR.112.182MT00	1800	1.0/0.25	4.50	0.04
SCR.112.222MT00	2200	1.0/0.25	5.20	0.04
SCR.112.272MT00	2700	1.0/0.25	5.80	0.03
SCR.112.332MT00	3300	1.0/0.25	6.10	0.03
SCR.112.392MT00	3900	1.0/0.25	7.20	0.03
SCR.112.472MT00	4700	1.0/0.25	7.50	0.02
SCR.112.562MT00	5600	1.0/0.25	8.40	0.02
SCR.112.682MT00	6800	1.0/0.25	9.70	0.02
SCR.112.822MT00	8200	1.0/0.25	10.4	0.02
SCR.112.103MT00	10000	1.0/0.25	12.1	0.01

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

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◆ DIP Power Inductors SCR.114 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCR.114.100MT00	10.0	1.0/0.25	0.029	4.50
SCR.114.150MT00	15.0	1.0/0.25	0.040	3.65
SCR.114.180MT00	18.0	1.0/0.25	0.054	3.20
SCR.114.220MT00	22.0	1.0/0.25	0.060	3.20
SCR.114.270MT00	27.0	1.0/0.25	0.066	2.70
SCR.114.330MT00	33.0	1.0/0.25	0.070	2.40
SCR.114.390MT00	39.0	1.0/0.25	0.078	2.25
SCR.114.470MT00	47.0	1.0/0.25	0.086	2.10
SCR.114.560MT00	56.0	1.0/0.25	0.094	1.90
SCR.114.680MT00	68.0	1.0/0.25	0.102	1.75
SCR.114.820MT00	82.0	1.0/0.25	0.124	1.65
SCR.114.101MT00	100.0	1.0/0.25	0.158	1.45
SCR.114.151MT00	150.0	1.0/0.25	0.248	1.18
SCR.114.181MT00	180.0	1.0/0.25	0.345	1.08
SCR.114.221MT00	220.0	1.0/0.25	0.440	0.92
SCR.114.271MT00	270.0	1.0/0.25	0.488	0.87
SCR.114.331MT00	330.0	1.0/0.25	0.650	0.80
SCR.114.391MT00	390.0	1.0/0.25	0.835	0.74
SCR.114.471MT00	470.0	1.0/0.25	0.902	0.67
SCR.114.561MT00	560.0	1.0/0.25	1.21	0.61
SCR.114.681MT00	680.0	1.0/0.25	1.33	0.55
SCR.114.821MT00	820.0	1.0/0.25	1.45	0.51
SCR.114.102MT00	1000	1.0/0.25	2.05	0.46
SCR.114.122MT00	1200	1.0/0.25	2.25	0.43
SCR.114.152MT00	1500	1.0/0.25	2.50	0.37
SCR.114.182MT00	1800	1.0/0.25	2.80	0.35
SCR.114.222MT00	2200	1.0/0.25	3.90	0.30
SCR.114.272MT00	2700	1.0/0.25	4.28	0.27
SCR.114.332MT00	3300	1.0/0.25	7.68	0.26
SCR.114.392MT00	3900	1.0/0.25	8.35	0.23
SCR.114.472MT00	4700	1.0/0.25	9.10	0.21
SCR.114.562MT00	5600	1.0/0.25	10.2	0.19
SCR.114.682MT00	6800	1.0/0.25	15.4	0.18
SCR.114.822MT00	8200	1.0/0.25	16.9	0.16
SCR.114.103MT00	10000	1.0/0.25	23.5	0.15

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

SOREDE Specifications subject to change without notice.

索 瑞 達 電 子 Shenzhen SOREDE electronics co., LTD Tel: 0755-29803358 Fax: 0755-29803506 www.szsorede.com

◆ DIP Power Inductors

SCR.124 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	IDC Max. (A)
SCR.124.100MT00	10.0	1.0/0.25	0.015	3.61
SCR.124.150MT00	15.0	1.0/0.25	0.017	3.16
SCR.124.180MT00	18.0	1.0/0.25	0.020	2.81
SCR.124.220MT00	22.0	1.0/0.25	0.021	2.44
SCR.124.270MT00	27.0	1.0/0.25	0.023	2.12
SCR.124.330MT00	33.0	1.0/0.25	0.024	1.80
SCR.124.390MT00	39.0	1.0/0.25	0.027	1.64
SCR.124.470MT00	47.0	1.0/0.25	0.032	1.57
SCR.124.560MT00	56.0	1.0/0.25	0.034	1.39
SCR.124.680MT00	68.0	1.0/0.25	0.060	1.26
SCR.124.820MT00	82.0	1.0/0.25	0.070	1.18
SCR.124.101MT00	100.0	1.0/0.25	0.090	1.14
SCR.124.151MT00	150.0	1.0/0.25	0.11	0.82
SCR.124.181MT00	180.0	1.0/0.25	0.12	0.73
SCR.124.221MT00	220.0	1.0/0.25	0.14	0.61
SCR.124.271MT00	270.0	1.0/0.25	0.16	0.54
SCR.124.331MT00	330.0	1.0/0.25	0.17	0.52
SCR.124.391MT00	390.0	1.0/0.25	0.32	0.48
SCR.124.471MT00	470.0	1.0/0.25	0.35	0.44
SCR.124.561MT00	560.0	1.0/0.25	0.39	0.40
SCR.124.681MT00	680.0	1.0/0.25	0.44	0.38
SCR.124.821MT00	820.0	1.0/0.25	0.48	0.28
SCR.124.102MT00	1000	1.0/0.25	0.53	0.27
SCR.124.122MT00	1200	1.0/0.25	0.66	0.26
SCR.124.152MT00	1500	1.0/0.25	0.86	0.23
SCR.124.182MT00	1800	1.0/0.25	0.95	0.21
SCR.124.222MT00	2200	1.0/0.25	1.07	0.18

Note:

Tolerance: N:±30% , M:±20% , K:±10%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

◆ DIP Color ring Inductor SRAL Series



FEATURES

- ◆ Low cost.
- ◆ Wide range of inductance.
- ◆ Small mounting space required.
- ◆ The other types with low DCR, large current, best for the power supply line.

APPLICATIONS

- Power supplies, DC-DC converters, TVs, VTRs, computer, computer peripherals, home electric appliance, ect.

PRODUCT IDENTIFICATION

SRAL 0510 100 K I 00
a b c d e f

a: Series name

b: Product dimensions

c: Inductance Value

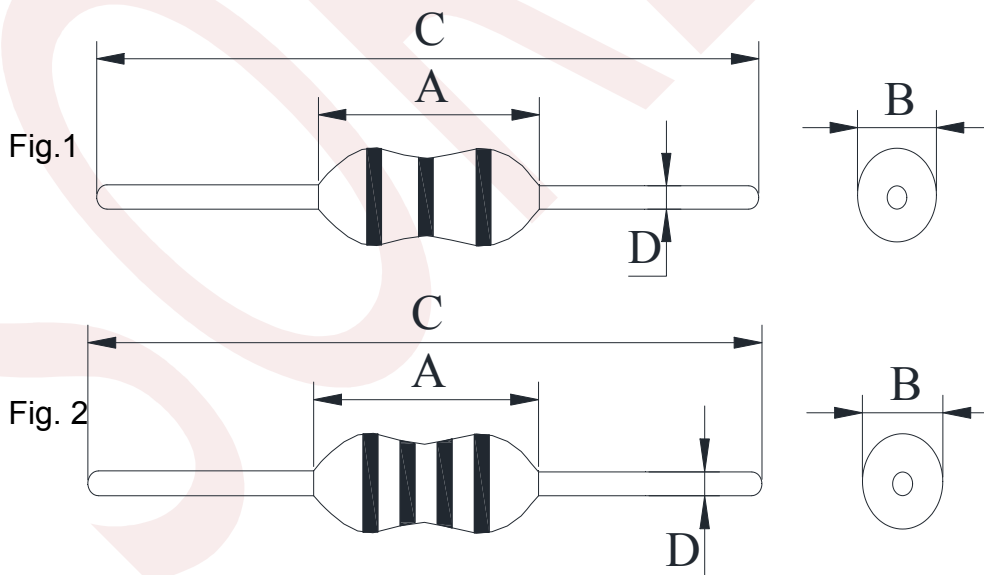
(1R0:1.0uH; 100: 10uH; 101:100uH)

d: Inductance Tolerance (J:5%; K:10% ; M:20%)

e: Package(T:Tape/Reel、B: Bulk)

f: Numbering (standard)

SHAPES AND DIMENSIONS



Series	Dimensions(mm)				Fig.
	A Ref.	B Max.	C Ref.	D Ref.	
SRAL.0204	4.0	2.8	62.0	0.50	1
SRAL.0307	8.0	3.0	62.0	0.55	2
SRAL.0410	11.0	4.0	62.0	0.65	2
SRAL.0510	12.0	5.0	62.0	0.65	2

◆DIP Color ring Inductor

SRAL.0204 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (MHz)	Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
SRAL.0204.R10MT00	0.10	25.2	35	0.180	700	300
SRAL.0204.R15MT00	0.15	25.2	35	0.220	620	300
SRAL.0204.R18MT00	0.18	25.2	35	0.240	600	300
SRAL.0204.R22MT00	0.22	25.2	35	0.400	400	150
SRAL.0204.R33MT00	0.33	25.2	35	0.480	370	150
SRAL.0204.R39MT00	0.39	25.2	35	0.510	350	150
SRAL.0204.R47MT00	0.47	25.2	35	0.560	330	150
SRAL.0204.R68MT00	0.68	25.2	35	0.670	310	150
SRAL.0204.R82MT00	0.82	25.2	35	0.740	290	150
SRAL.0204.1R0KT00	1.0	25.2	35	0.800	270	150
SRAL.0204.1R2KT00	1.2	7.96	40	0.900	260	110
SRAL.0204.1R5KT00	1.5	7.96	40	1.000	250	70
SRAL.0204.1R8KT00	1.8	7.96	40	1.100	240	60
SRAL.0204.2R2KT00	2.2	7.96	40	1.200	230	45
SRAL.0204.2R7KT00	2.7	7.96	40	1.300	220	40
SRAL.0204.3R3KT00	3.3	7.96	40	1.400	210	38
SRAL.0204.4R7KT00	4.7	7.96	40	1.700	190	32
SRAL.0204.5R6KT00	5.6	7.96	40	1.900	180	30
SRAL.0204.6R8KT00	6.8	7.96	40	2.000	175	28
SRAL.0204.8R2KT00	8.2	7.96	40	2.200	165	26
SRAL.0204.100KT00	10	7.96	40	2.500	160	24
SRAL.0204.120KT00	12	2.52	40	2.500	150	22
SRAL.0204.150KT00	15	2.52	40	2.800	145	20
SRAL.0204.180KT00	18	2.52	40	3.100	140	18
SRAL.0204.220KT00	22	2.52	40	3.400	100	17
SRAL.0204.270KT00	27	2.52	40	4.300	80	16
SRAL.0204.330KT00	33	2.52	40	4.700	75	14
SRAL.0204.470KT00	47	2.52	40	5.800	70	12
SRAL.0204.560KT00	56	2.52	40	6.400	68	11
SRAL.0204.680KT00	68	2.52	40	7.200	64	10
SRAL.0204.820KT00	82	2.52	40	11.00	46	9.5
SRAL.0204.101KT00	100	2.52	40	12.00	44	9.0
SRAL.0204.121KT00	120	0.796	40	13.00	42	8.0
SRAL.0204.151KT00	150	0.796	40	16.00	39	6.0
SRAL.0204.181KT00	180	0.796	40	18.00	37	5.0
SRAL.0204.221KT00	220	0.796	40	20.00	35	5.0
SRAL.0204.271KT00	270	0.796	40	25.00	25	4.6
SRAL.0204.331KT00	330	0.796	40	30.00	25	4.2

◆DIP Color ring Inductor SRAL.0307 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (MHz)	Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
SRAL.0307.R10MT00	0.10	25.2	40	0.060	1400	480
SRAL.0307.R12MT00	0.12	25.2	40	0.060	1350	450
SRAL.0307.R15MT00	0.15	25.2	40	0.070	1270	420
SRAL.0307.R18MT00	0.18	25.2	40	0.070	1200	400
SRAL.0307.R22MT00	0.22	25.2	40	0.080	1150	380
SRAL.0307.R33MT00	0.33	25.2	40	0.095	1110	350
SRAL.0307.R39MT00	0.39	25.2	40	0.100	1000	320
SRAL.0307.R47MT00	0.47	25.2	40	0.110	1000	300
SRAL.0307.R68MT00	0.68	25.2	40	0.130	900	250
SRAL.0307.R82MT00	0.82	25.2	40	0.140	900	200
SRAL.0307.1R0KT00	1.	25.2	40	0.150	815	180
SRAL.0307.1R2KT00	1.2	7.96	40	0.180	740	165
SRAL.0307.1R5KT00	1.5	7.96	40	0.200	700	150
SRAL.0307.1R8KT00	1.8	7.96	50	0.230	655	125
SRAL.0307.2R2KT00	2.2	7.96	50	0.250	630	110
SRAL.0307.3R3KT00	3.3	7.96	50	0.300	575	70
SRAL.0307.3R9KT00	3.9	7.96	50	0.320	555	65
SRAL.0307.4R7KT00	4.7	7.96	50	0.350	530	50
SRAL.0307.6R8KT00	6.8	7.96	50	0.450	470	30
SRAL.0307.8R2KT00	8.2	7.96	50	0.560	425	28
SRAL.0307.100KT00	10	7.96	50	0.750	370	22
SRAL.0307.120KT00	12	2.52	50	0.800	350	20
SRAL.0307.150KT00	15	2.52	50	0.930	335	16
SRAL.0307.180KT00	18	2.52	50	1.000	315	15
SRAL.0307.220KT00	22	2.52	50	1.200	285	13
SRAL.0307.270KT00	27	2.52	50	1.800	270	11
SRAL.0307.330KT00	33	2.52	50	2.100	255	10
SRAL.0307.390KT00	39	2.52	50	2.300	240	9.5
SRAL.0307.470KT00	47	2.52	50	2.600	205	8.5
SRAL.0307.560KT00	56	2.52	50	2.900	195	7.5
SRAL.0307.680KT00	68	2.52	50	3.300	185	6.5
SRAL.0307.820KT00	82	2.52	50	3.800	175	6.0
SRAL.0307.101KT00	100	2.52	50	4.200	165	5.5
SRAL.0307.121KT00	120	0.796	60	4.700	160	5.4
SRAL.0307.221KT00	220	0.796	60	6.500	130	4.0
SRAL.0307.471KT00	470	0.796	60	12.50	90	2.4
SRAL.0307.681KT00	680	0.796	60	18.00	75	2.0
SRAL.0307.102KT00	1000	0.796	50	30.00	60	1.1

◆DIP Color ring Inductor

SRAL.0410 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (MHz)	Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
SRAL.0410.R10MT00	0.10	25.2	25	0.060	1700	480
SRAL.0410.R15MT00	0.15	25.2	25	0.070	1560	420
SRAL.0410.R18MT00	0.18	25.2	25	0.070	1480	400
SRAL.0410.R22MT00	0.22	25.2	25	0.080	1400	380
SRAL.0410.R33MT00	0.33	25.2	25	0.100	1280	300
SRAL.0410.R39MT00	0.39	25.2	25	0.120	1200	280
SRAL.0410.R47MT00	0.47	25.2	25	0.130	1150	250
SRAL.0410.R68MT00	0.68	25.2	25	0.150	1030	210
SRAL.0410.R82MT00	0.82	25.2	45	0.160	980	172
SRAL.0410.1R0KT00	1.0	25.2	45	0.170	920	157
SRAL.0410.1R5KT00	1.5	7.96	50	0.200	830	131
SRAL.0410.1R8KT00	1.8	7.96	55	0.220	790	121
SRAL.0410.2R2KT00	2.2	7.96	55	0.240	750	110
SRAL.0410.3R3KT00	3.3	7.96	65	0.300	670	94
SRAL.0410.3R9KT00	3.9	7.96	65	0.350	640	86
SRAL.0410.4R7KT00	4.7	7.96	70	0.400	620	80
SRAL.0410.6R8KT00	6.8	7.96	75	0.500	550	68
SRAL.0410.8R2KT00	8.2	7.96	80	0.600	530	53
SRAL.0410.100KT00	10	7.96	80	0.650	500	45
SRAL.0410.150KT00	15	2.52	70	0.750	460	20
SRAL.0410.180KT00	18	2.52	65	0.800	430	14
SRAL.0410.220KT00	22	2.52	50	0.900	410	9.9
SRAL.0410.270KT00	27	2.52	55	1.000	390	7.6
SRAL.0410.330KT00	33	2.52	55	1.100	370	6.3
SRAL.0410.390KT00	39	2.52	50	1.200	350	6.3
SRAL.0410.470KT00	47	2.52	45	1.300	340	6.3
SRAL.0410.680KT00	68	2.52	40	1.800	305	5.7
SRAL.0410.820KT00	82	2.52	35	2.000	290	5.3
SRAL.0410.101KT00	100	2.52	30	2.500	275	4.8
SRAL.0410.181KT00	180	0.796	70	4.600	165	3.3
SRAL.0410.221KT00	220	0.796	70	5.100	155	3.0
SRAL.0410.331KT00	330	0.796	65	6.500	137	2.6
SRAL.0410.391KT00	390	0.796	65	7.500	133	2.4
SRAL.0410.471KT00	470	0.796	60	8.500	126	2.2
SRAL.0410.561KT00	560	0.796	60	9.500	120	2.1
SRAL.0410.681KT00	680	0.796	55	12.00	113	1.9
SRAL.0410.821KT00	820	0.796	55	14.00	105	1.8
SRAL.0410.102KT00	1000	0.796	50	20.00	85	1.4

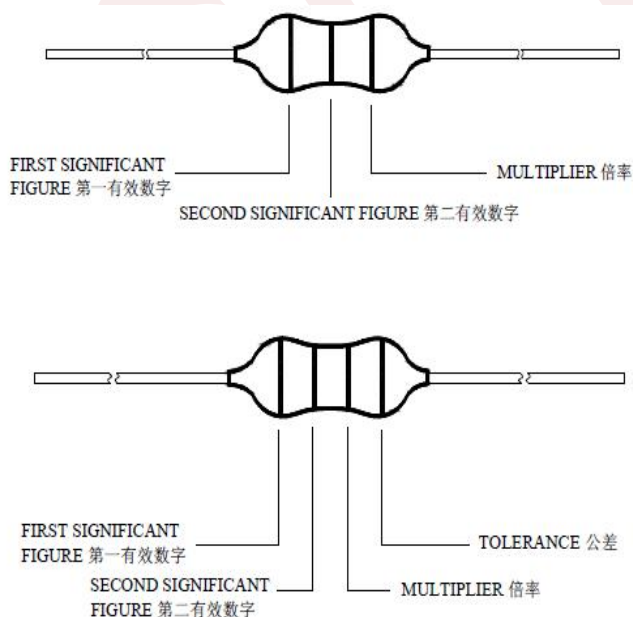
◆DIP Color ring Inductor SRAL.0510 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)		Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
		L	Q				
SRAL.0510.471KT00	470	1.0	796	60	7.700	126	1.90
SRAL.0510.561KT00	560	1.0	796	50	8.500	120	1.80
SRAL.0510.681KT00	680	1.0	796	55	9.000	113	1.50
SRAL.0510.821KT00	820	1.0	796	45	10.50	105	1.20
SRAL.0510.102KT00	1000	1.0	252	40	14.00	100	1.00
SRAL.0510.122KT00	1200	1.0	252	40	16.90	95	0.95
SRAL.0510.152KT00	1500	1.0	252	40	21.6	90	0.90
SRAL.0510.182KT00	1800	1.0	252	40	24.00	85	0.85
SRAL.0510.222KT00	2200	1.0	252	40	34.70	80	0.80
SRAL.0510.272KT00	2700	1.0	252	40	40.00	75	0.75
SRAL.0510.332KT00	3300	1.0	252	40	59.50	62	0.70
SRAL.0510.392KT00	3900	1.0	252	40	66.00	59	0.65
SRAL.0510.472KT00	4700	1.0	252	40	74.00	55	0.60
SRAL.0510.562KT00	5600	1.0	252	30	80.00	40	0.50
SRAL.0510.682KT00	6800	1.0	252	30	85.00	35	0.45
SRAL.0510.822KT00	8200	1.0	252	30	95.00	30	0.40
SRAL.0510.103KT00	10000	1.0	252	20	105.0	25	0.35

COLOR CODING

The nominal inductance is marked. Color code listed in table below.



Color	Nominal Inductance(uH)			
	1st Figure	2nd Figure	Multiplier	Tolerance
Black	0		×1	±20%
Brown	1		×10	—
Red	2		×100	—
Orange	3		×1000	—
Yellow	4		—	—
Green	5		—	—
Blue	6		—	—
Violet	7		—	—
Gray	8		—	—
White	9		—	—
Gold	—		×0.1	±5%
Silver	—		×0.01	±10%

◆ DIP Power Inductors SRT Series

PRODUCT IDENTIFICATION

SRT 1808 E L 221 M B 00

a b c d e f g h

a: Series name

b: Product dimensions (a*b*c)

c: Material (M:Mn-Zn, T:Iron, F:Amorphous, H:alloy)

d: Shape (L: standing W: horizontal)

e: Inductance Value

(1R0:1.0uH; 100: 10uH; 101:100uH)

f: Inductance Tolerance (J:5%; K:10% ; M:20%)

g: Package(T:Tape/Reel, B: Bulk)

H: Numbering (standard)

FEATURES

- ◆ Frequency impedance of small and large disturbance frequency impedance.
- ◆ High permeability, low loss.
- ◆ Inductance value stability, thermal stability is good.
- ◆ Saturation current, magnetic flux leakage is small, environmentally friendly lead-free products.

APPLICATIONS

- Power supplies, DC-DC converters, TVs, VTRs, computer, computer peripherals, home electric appliance, ect.

SHAPES



Our company provide the following circular inductors:

Inductance series range: 1 mH - more than 50 mH (common mode), more than 10 uH - 1 mH (differential mode);

Working voltage: exchange more than 100-250 V - 50/60 Hz;

Current rating: 0.1 A - more than 30 A

communication; To high voltage, ac/dc 500 V to 4000 V.

Applicable: TV image with (such as TV sets and video recorders, etc.), office automation equipment, audio equipment, communications equipment, measuring instruments, and equipped with use of the motor.

SOREDE Specifications subject to change without notice.

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◆ Multilayer Chip Ferrite Inductor SRFI Series



FEATURES

- ◆ Compact size and light weight.
- ◆ Excellent solderability and heat resistance for either flow or reflow soldering.
- ◆ No cross coupling between inductors due to magnetic shield.

APPLICATIONS

- ◆ Resonance circuit, traps, filter circuits.
- ◆ RF choke in telecommunications equipment, cordless phones, radio equipment.

PRODUCT IDENTIFICATION

SRFI 0805 100 J T 00
a b c d e f

a: Series name

b: Product dimensions

c: Inductance Value

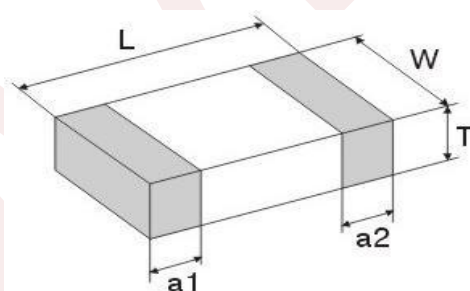
(1R0:1.0uH、 100: 10uH、 101:100uH)

d: Inductance Tolerance (J:5%、 K:10%、 M:20%)

e: Package(T:Tape/Reel、 B: Bulk)

f: Numbering (standard)

SHAPES AND DIMENSIONS



Type	Dimensions (mm) [inch]			
	L	W	T	a1 a2
0402 [1005]	1.00±0.15 [0.04±0.006]	0.50±0.15 [0.02±0.006]	0.50±0.15 [0.02±0.006]	0.25±0.10 [0.01±0.004]
0603 [1608]	1.60±0.15 [0.063±0.006]	0.80±0.15 [0.031±0.006]	0.80±0.15 [0.031±0.006]	0.30±0.20 [0.012±0.008]
0805 [2012]	2.00±0.20 [0.079±0.008]	1.25±0.20 [0.049±0.008]	0.85±0.20 [0.033±0.008]	0.50±0.30 [0.02±0.012]
1206 [3216]	3.20±0.20 [0.126±0.008]	1.60±0.20 [0.063±0.008]	1.10±0.30 [0.043±0.012]	0.50±0.30 [0.02±0.012]
1210 [3225]	3.20±0.20 [0.126±0.008]	2.50±0.20 [0.098±0.008]	1.25±0.20 [0.049±0.008]	0.70±0.30 [0.028±0.012]

◆ Multilayer Chip Ferrite Inductor

SRFI.0402 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (MHz)		Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
		L	Q				
SRFI.0402.47NJT00	0.047	50	50	10	0.450	25	220
SRFI.0402.56NJT00	0.056	50	50	10	0.450	25	220
SRFI.0402.68NJT00	0.068	50	50	10	0.450	25	210
SRFI.0402.82NJT00	0.082	50	50	10	0.450	25	200
SRFI.0402.R10JT00	0.10	25	25	15	0.700	25	200
SRFI.0402.R12JT00	0.12	25	25	15	0.700	25	165
SRFI.0402.R15JT00	0.15	25	25	15	0.900	25	140
SRFI.0402.R18JT00	0.18	25	25	15	1.100	25	120
SRFI.0402.R22JT00	0.22	25	25	15	1.200	25	110
SRFI.0402.R27JT00	0.27	25	25	15	1.200	25	95
SRFI.0402.R33JT00	0.33	25	25	15	1.250	18	85
SRFI.0402.R39JT00	0.39	25	25	15	1.500	18	70
SRFI.0402.R47JT00	0.47	25	25	20	2.000	18	68
SRFI.0402.R56JT00	0.56	25	25	20	2.350	18	55
SRFI.0402.R68JT00	0.68	25	25	20	2.550	18	50
SRFI.0402.R82JT00	0.82	25	25	20	3.150	18	45
SRFI.0402.1R0JT00	1.0	10	10	20	0.900	15	40
SRFI.0402.1R2JT00	1.2	10	10	20	1.200	15	35
SRFI.0402.1R5KT00	1.5	10	10	20	1.200	15	30
SRFI.0402.1R8KT00	1.8	10	10	20	1.450	15	30
SRFI.0402.2R2KT00	2.2	10	10	20	1.750	10	28
SRFI.0402.2R7KT00	2.7	10	10	20	2.000	10	22
SRFI.0402.3R3KT00	3.3	10	10	20	2.350	10	20
SRFI.0402.3R9KT00	3.9	10	10	20	2.550	10	18
SRFI.0402.4R7KT00	4.7	10	10	20	3.150	10	15
SRFI.0402.5R6KT00	5.6	4	4	20	2.350	3	13
SRFI.0402.6R8KT00	6.8	4	4	20	2.550	3	11
SRFI.0402.8R2KT00	8.2	4	4	20	3.150	3	10
SRFI.0402.100KT00	10	2	2	20	3.450	2	9

◆ Multilayer Chip Ferrite Inductor

SRFI.0603 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (MHz)		Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
		L	Q				
SRFI.0603.47NJT00	0.047	50	50	15	0.200	50	600
SRFI.0603.56NJT00	0.056	50	50	15	0.300	50	550
SRFI.0603.68NJT00	0.068	50	50	15	0.300	50	500
SRFI.0603.82NJT00	0.082	50	50	15	0.300	50	450
SRFI.0603.R10JT00	0.10	25	25	15	0.500	50	400
SRFI.0603.R12JT00	0.12	25	25	15	0.500	50	350
SRFI.0603.R15JT00	0.15	25	25	15	0.600	50	300
SRFI.0603.R18JT00	0.18	25	25	15	0.600	50	280
SRFI.0603.R22JT00	0.22	25	25	15	0.800	50	260
SRFI.0603.R27JT00	0.27	25	25	15	0.800	50	255
SRFI.0603.R33JT00	0.33	25	25	15	0.850	35	250
SRFI.0603.R39JT00	0.39	25	25	15	1.000	35	245
SRFI.0603.R47JT00	0.47	25	25	15	1.350	35	240
SRFI.0603.R56JT00	0.56	25	25	15	1.550	35	205
SRFI.0603.R68JT00	0.68	25	25	15	1.700	35	180
SRFI.0603.R82JT00	0.82	25	25	15	2.100	35	165
SRFI.0603.1R0JT00	1.0	10	10	35	0.600	25	125
SRFI.0603.1R2JT00	1.2	10	10	35	0.800	25	110
SRFI.0603.1R5JT00	1.5	10	10	35	0.800	25	105
SRFI.0603.1R8JT00	1.8	10	10	35	0.950	25	95
SRFI.0603.2R2JT00	2.2	10	10	35	1.150	15	90
SRFI.0603.2R7JT00	2.7	10	10	35	1.350	15	80
SRFI.0603.3R3JT00	3.3	10	10	35	1.550	15	70
SRFI.0603.3R9JT00	3.9	10	10	35	1.700	15	60
SRFI.0603.4R7JT00	4.7	10	10	35	2.100	15	50
SRFI.0603.5R6JT00	5.6	4	4	35	1.550	5	45
SRFI.0603.6R8JT00	6.8	4	4	35	1.700	5	40
SRFI.0603.8R2JT00	8.2	4	4	35	2.10	4	35
SRFI.0603.100KT00	10	2	2	35	2.550	3	33
SRFI.0603.120KT00	12	2	2	35	2.750	3	22
SRFI.0603.150KT00	15	1	1	20	1.700	1	20
SRFI.0603.180KT00	18	1	1	20	1.850	1	18
SRFI.0603.220KT00	22	1	1	20	2.100	1	15
SRFI.0603.270KT00	27	1	1	20	2.750	1	12
SRFI.0603.330KT00	33	1	1	20	2.950	1	10

◆ Multilayer Chip Ferrite Inductor SRFI.0805 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (MHz)		Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
		L	Q				
SRFI.0805.47NJT00	0.047	50	50	15	0.20	300	350
SRFI.0805.56NJT00	0.056	50	50	15	0.20	300	350
SRFI.0805.68NJT00	0.068	50	50	15	0.20	300	280
SRFI.0805.82NJT00	0.082	50	50	15	0.20	300	255
SRFI.0805.R10JT00	0.10	25	25	20	0.30	250	235
SRFI.0805.R12JT00	0.12	25	25	20	0.30	250	220
SRFI.0805.R15JT00	0.15	25	25	20	0.40	250	200
SRFI.0805.R18JT00	0.18	25	25	20	0.40	250	185
SRFI.0805.R22JT00	0.22	25	25	20	0.50	250	170
SRFI.0805.R33JT00	0.33	25	25	20	0.55	250	145
SRFI.0805.R39JT00	0.39	25	25	25	0.65	200	135
SRFI.0805.R47JT00	0.47	25	25	25	0.65	200	125
SRFI.0805.R68JT00	0.68	25	25	25	0.80	150	105
SRFI.0805.R82JT00	0.82	25	25	25	1.00	150	100
SRFI.0805.1R0JT00	1.0	10	10	45	0.40	50	75
SRFI.0805.1R2JT00	1.2	10	10	45	0.50	50	65
SRFI.0805.1R5JT00	1.5	10	10	45	0.50	50	60
SRFI.0805.1R8JT00	1.8	10	10	45	0.60	50	55
SRFI.0805.2R2JT00	2.2	10	10	45	0.65	30	50
SRFI.0805.3R3JT00	3.3	10	10	45	0.80	30	41
SRFI.0805.3R9JT00	3.9	10	10	50	0.90	30	38
SRFI.0805.4R7JT00	4.7	10	10	50	1.00	30	35
SRFI.0805.5R6JT00	5.6	4	4	50	0.90	15	32
SRFI.0805.6R8JT00	6.8	4	4	50	1.00	15	29
SRFI.0805.8R2JT00	8.2	4	4	50	1.10	15	26
SRFI.0805.100JT00	10	2	2	50	1.15	15	24
SRFI.0805.120JT00	12	2	2	50	1.25	15	22
SRFI.0805.150JT00	15	1	1	30	0.80	5	19
SRFI.0805.180JT00	18	1	1	30	0.90	5	18
SRFI.0805.220JT00	22	1	1	30	1.10	5	16
SRFI.0805.270JT00	27	1	1	25	1.15	5	14
SRFI.0805.330JT00	33	1	1	25	1.25	5	13
SRFI.0805.390JT00	39	1	1	25	1.50	4	13
SRFI.0805.470JT00	47	1	1	25	1.80	4	12
SRFI.0805.680JT00	68	1	1	25	2.20	2	10
SRFI.0805.820JT00	82	1	1	25	2.50	2	9
SRFI.0805.101JT00	100	1	1	25	2.50	2	8

◆ Multilayer Chip Ferrite Inductor SRFI.1206 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (MHz)		Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
		L	Q				
SRFI.1206.47NJT00	0.047	50	50	30	0.15	300	400
SRFI.1206.68NJT00	0.068	50	50	30	0.25	300	330
SRFI.1206.82NJT00	0.082	50	50	30	0.25	300	310
SRFI.1206.R10JT00	0.10	25	25	30	0.25	250	280
SRFI.1206.R18JT00	0.18	25	25	30	0.30	250	220
SRFI.1206.R22JT00	0.22	25	25	30	0.35	250	200
SRFI.1206.R33JT00	0.33	25	25	35	0.40	250	170
SRFI.1206.R47JT00	0.47	25	25	35	0.50	200	140
SRFI.1206.R56JT00	0.56	25	25	35	0.55	150	130
SRFI.1206.R68JT00	0.68	25	25	35	0.65	150	120
SRFI.1206.R82JT00	0.82	25	25	35	0.75	150	110
SRFI.1206.1R0JT00	1.0	10	10	50	0.40	100	90
SRFI.1206.1R5JT00	1.5	10	10	50	0.45	50	70
SRFI.1206.1R8JT00	1.8	10	10	50	0.50	50	66
SRFI.1206.2R2JT00	2.2	10	10	50	0.55	50	58
SRFI.1206.3R3JT00	3.3	10	10	50	0.60	50	49
SRFI.1206.3R9JT00	3.9	10	10	50	0.70	50	48
SRFI.1206.4R7JT00	4.7	10	10	50	0.70	50	41
SRFI.1206.5R6JT00	5.6	4	4	55	0.75	25	38
SRFI.1206.6R8JT00	6.8	4	4	55	0.75	25	34
SRFI.1206.8R2JT00	8.2	4	4	55	0.80	25	31
SRFI.1206.100JT00	10	2	2	55	0.80	25	28
SRFI.1206.120JT00	12	2	2	55	0.90	15	26
SRFI.1206.150JT00	15	1	1	40	0.80	5	23
SRFI.1206.180JT00	18	1	1	40	0.80	5	21
SRFI.1206.220JT00	22	1	1	40	0.90	5	19
SRFI.1206.330JT00	33	1	1	40	1.05	5	16
SRFI.1206.390JT00	39	1	1	40	2.00	5	12.5
SRFI.1206.470JT00	47	1	1	40	2.00	5	11.5
SRFI.1206.560JT00	56	1	1	40	2.50	4	10.5
SRFI.1206.680JT00	68	1	1	40	2.50	4	10.5
SRFI.1206.820JT00	82	1	1	40	3.00	4	10.0
SRFI.1206.101JT00	100	1	1	30	3.00	4	9.0
SRFI.1206.121JT00	120	1	1	30	3.50	2	7.0
SRFI.1206.151JT00	150	1	1	30	3.80	2	6.5
SRFI.1206.181JT00	180	1	1	30	4.00	2	6.0
SRFI.1206.221JT00	220	1	1	30	4.00	2	5.5

◆ Multilayer Chip Ferrite Inductor SRFI.1210 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (μ H)	Test Freq. (MHz)		Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
		L	Q				
SRFI.1210.1R0JT00	1.0	10	10	50	0.20	150	90
SRFI.1210.1R2JT00	1.2	10	10	50	0.22	150	80
SRFI.1210.1R5JT00	1.5	10	10	50	0.26	120	70
SRFI.1210.1R8JT00	1.8	10	10	50	0.28	100	66
SRFI.1210.2R2JT00	2.2	10	10	50	0.31	80	58
SRFI.1210.2R7JT00	2.7	10	10	50	0.34	70	53
SRFI.1210.3R3JT00	3.3	10	10	50	0.39	60	49
SRFI.1210.3R9JT00	3.9	10	10	50	0.42	50	48
SRFI.1210.4R7JT00	4.7	10	10	50	0.55	40	41
SRFI.1210.5R6JT00	5.6	4	4	55	0.65	30	38
SRFI.1210.6R8JT00	6.8	4	4	55	0.69	25	34
SRFI.1210.8R2JT00	8.2	4	4	55	0.71	20	31
SRFI.1210.100JT00	10	2	2	55	0.72	20	28
SRFI.1210.120JT00	12	2	2	55	0.78	18	26
SRFI.1210.150JT00	15	1	1	40	0.80	15	23
SRFI.1210.180JT00	18	1	1	40	0.80	10	21
SRFI.1210.220JT00	22	1	1	40	0.90	10	19
SRFI.1210.270JT00	27	1	1	40	0.90	10	17

◆ Multilayer Chip Ceramic Inductor SRCI Series



FEATURES

- ◆ Monolithic construction yields high reliability
- ◆ High self-resonant frequency.
- ◆ Excellent solderability and heat resistance for either flow or reflow soldering.

APPLICATIONS

- ◆ High frequency circuits of telecommunication.
- ◆ Mobile phones such as GSM, CDMA, PDC, etc.
- ◆ Bluetooth.
- ◆ Other High frequency circuits in geneSRAL.

PRODUCT IDENTIFICATION

SRCI 0805 100 J I 00
a b c d e f

a: Series name

b: Product dimensions

c: Inductance Value

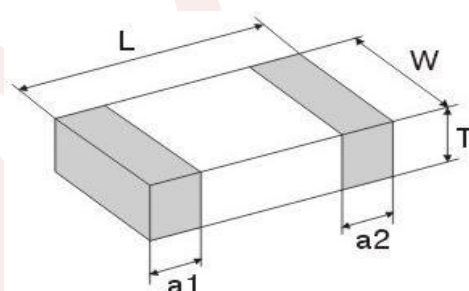
(1N0:1.0nH、 10N: 10nH、 R10:100nH)

d: Inductance Tolerance (J:5%、 K:10%、 M:20%)

e: Package(T:Tape/Reel、 B: Bulk)

f: Numbering (standard)

SHAPES AND DIMENSIONS



Type	Dimensions (mm) [inch]			
	L	W	T	a1 a2
0201 [0603]	0.60±0.05 [0.024±0.002]	0.30±0.05 [0.012±0.002]	0.30±0.05 [0.012±0.002]	0.10±0.20 [0.004~0.008]
0402 [1005]	1.00±0.15 [0.04±0.006]	0.50±0.15 [0.02±0.006]	0.50±0.15 [0.02±0.006]	0.25±0.10 [0.01±0.004]
0603 [1608]	1.60±0.15 [0.063±0.006]	0.80±0.15 [0.031±0.006]	0.80±0.15 [0.031±0.006]	0.30±0.20 [0.012±0.008]
0805 [2012]	2.00±0.20 [0.079±0.008]	1.25±0.20 [0.049±0.008]	0.85±0.20 [0.033±0.008]	0.50±0.30 [0.02±0.012]

◆ Multilayer Chip Ceramic Inductor

SRCl.0201 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (nH)	Q Min. (MHz)			L T est Freq. (MHz)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
		500	800	1800				
SRCl.0201.0N6JT00	0.6	>24	>32	>54	500	0.06	600	10000
SRCl.0201.1N0JT00	1.0	24	32	54	500	0.08	520	10000
SRCl.0201.1N2JT00	1.2	19	25	43	500	0.12	420	10000
SRCl.0201.1N5JT00	1.5	19	24	39	500	0.12	420	10000
SRCl.0201.1N8JT00	1.8	19	24	39	500	0.15	380	10000
SRCl.0201.2N2JT00	2.2	17	24	38	500	0.25	290	10000
SRCl.0201.2N4JT00	2.4	17	23	36	500	0.22	310	10000
SRCl.0201.2N7JT00	2.7	17	22	34	500	0.22	310	9200
SRCl.0201.3N3JT00	3.3	18	23	34	500	0.30	270	8100
SRCl.0201.3N6JT00	3.6	16	23	33	500	0.38	240	7700
SRCl.0201.3N9JT00	3.9	16	22	33	500	0.42	230	7400
SRCl.0201.4N3JT00	4.3	16	21	32	500	0.44	220	6800
SRCl.0201.4N7JT00	4.7	16	22	33	500	0.45	220	6200
SRCl.0201.5N1JT00	5.1	17	22	34	500	0.46	210	5900
SRCl.0201.5N6JT00	5.6	16	21	33	500	0.46	210	5500
SRCl.0201.6N2JT00	6.2	18	23	34	500	0.48	210	5100
SRCl.0201.6N8JT00	6.8	17	22	32	500	0.50	200	4900
SRCl.0201.7N5JT00	7.5	16	21	31	500	0.50	200	4700
SRCl.0201.8N2JT00	8.2	16	21	31	500	0.56	190	4300
SRCl.0201.9N1JT00	9.1	16	20	30	500	0.72	170	4100
SRCl.0201.10NJT00	10	16	20	28	500	0.80	160	3800
SRCl.0201.12NJT00	12	16	20	27	500	0.80	160	3400
SRCl.0201.15NJT00	15	15	19	24	500	0.85	160	2600
SRCl.0201.18NJT00	18	15	19	23	500	1.00	140	2300
SRCl.0201.22NJT00	22	15	19	22	500	1.20	130	1900
SRCl.0201.27NJT00	27	14	17	15	500	1.50	100	2000
SRCl.0201.33NJT00	33	15	17	12	300	1.70	100	1700
SRCl.0201.39NJT00	39	14	15	3	300	2.50	80	1500
SRCl.0201.47NJT00	47	14	14	1	300	2.70	80	1300
SRCl.0201.56NJT00	56	13	13	-	300	3.20	60	1200

◆ Multilayer Chip Ceramic Inductor SRCI.0402 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (nH)	Q Min. (MHz)			L T est Freq. (MHz)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
		100	900	1800				
SRCI.0402.1N0JT00	1.0	9	44	50	100	0.08	400	10000
SRCI.0402.1N2JT00	1.2	9	44	50	100	0.08	400	10000
SRCI.0402.1N5JT00	1.5	9	43	48	100	0.10	400	6000
SRCI.0402.1N8JT00	1.8	9	35	45	100	0.12	400	6000
SRCI.0402.2N2JT00	2.2	9	30	43	100	0.12	400	6000
SRCI.0402.2N4JT00	2.4	9	30	43	100	0.12	400	6000
SRCI.0402.2N7JT00	2.7	9	30	40	100	0.13	400	6000
SRCI.0402.3N0JT00	3.0	9	30	40	100	0.15	400	6000
SRCI.0402.3N3JT00	3.3	9	30	40	100	0.15	400	6000
SRCI.0402.3N9JT00	3.9	9	30	41	100	0.21	400	4500
SRCI.0402.4N3JT00	4.3	9	30	36	100	0.21	300	4500
SRCI.0402.4N7JT00	4.7	9	29	38	100	0.21	300	4500
SRCI.0402.5N1JT00	5.1	9	28	36	100	0.23	300	4000
SRCI.0402.5N6JT00	5.6	9	25	32	100	0.23	300	4000
SRCI.0402.6N2JT00	6.2	9	25	32	100	0.25	300	4000
SRCI.0402.6N8JT00	6.8	9	25	33	100	0.25	300	4000
SRCI.0402.7N5JT00	7.5	9	25	32	100	0.35	300	3600
SRCI.0402.8N2JT00	8.2	9	25	32	100	0.35	300	3600
SRCI.0402.9N1JT00	9.1	9	25	31	100	0.42	300	3200
SRCI.0402.10NJT00	10	9	26	30	100	0.42	300	3200
SRCI.0402.12NJT00	12	9	26	29	100	0.50	300	2800
SRCI.0402.15NJT00	15	9	25	26	100	0.60	300	2500
SRCI.0402.18NJT00	18	9	23	24	100	0.80	300	2200
SRCI.0402.22NJT00	22	9	23	22	100	0.85	300	1900
SRCI.0402.27NJT00	27	9	23		100	1.00	300	1600
SRCI.0402.33NJT00	33	9	22		100	1.00	200	1300
SRCI.0402.39NJT00	39	9	21		100	1.30	200	1200
SRCI.0402.47NJT00	47	9	20		100	1.50	200	1000
SRCI.0402.56NJT00	56	9	17		100	1.80	200	750
SRCI.0402.68NJT00	68	9	15		100	1.95	180	750
SRCI.0402.82NJT00	82	9			100	2.10	150	600
SRCI.0402.R10JT00	100	9			100	2.50	150	600
SRCI.0402.R12JT00	120	9			100	2.80	150	600
SRCI.0402.R15JT00	150	8			100	2.35	150	550
SRCI.0402.R18JT00	180	8			100	2.55	100	500
SRCI.0402.R22JT00	220	8			100	2.65	100	450
SRCI.0402.R27JT00	270	8			100	2.85	50	400
SRCI.0402.R33JT00	330	8			50	3.00	50	350

◆ Multilayer Chip Ceramic Inductor SRCI.0603 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (nH)	Test Freq. (MHz)	Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
SRCI.0603.1N0JT00	1.0	100	8	0.05	500	>10000
SRCI.0603.1N2JT00	1.2	100	8	0.05	500	>10000
SRCI.0603.1N5JT00	1.5	100	8	0.10	500	>10000
SRCI.0603.1N8JT00	1.8	100	8	0.10	500	>10000
SRCI.0603.2N2JT00	2.2	100	8	0.10	500	10000
SRCI.0603.2N7JT00	2.7	100	10	0.10	500	9000
SRCI.0603.3N3JT00	3.3	100	10	0.12	500	8000
SRCI.0603.3N9JT00	3.9	100	10	0.14	500	7000
SRCI.0603.4N7JT00	4.7	100	10	0.16	500	5500
SRCI.0603.5N6JT00	5.6	100	10	0.18	500	4500
SRCI.0603.6N8JT00	6.8	100	10	0.22	500	4000
SRCI.0603.8N2JT00	8.2	100	10	0.24	500	3600
SRCI.0603.10NJT00	10	100	12	0.26	300	3400
SRCI.0603.12NJT00	12	100	12	0.30	300	2800
SRCI.0603.15NJT00	15	100	12	0.32	300	2500
SRCI.0603.18NJT00	18	100	12	0.35	300	2100
SRCI.0603.22NJT00	22	100	12	0.40	300	1700
SRCI.0603.27NJT00	27	100	12	0.45	300	1500
SRCI.0603.33NJT00	33	100	12	0.55	300	1300
SRCI.0603.39NJT00	39	100	12	0.60	300	1100
SRCI.0603.47NJT00	47	100	12	0.70	300	1000
SRCI.0603.56NJT00	56	100	12	0.75	300	900
SRCI.0603.68NJT00	68	100	12	0.85	300	700
SRCI.0603.82NJT00	82	100	12	0.95	300	600
SRCI.0603.R10JT00	100	100	12	1.00	300	600
SRCI.0603.R12JT00	120	50	8	1.30	300	500
SRCI.0603.R15JT00	150	50	8	1.50	300	500
SRCI.0603.R18JT00	180	50	8	1.80	300	400
SRCI.0603.R22JT00	220	50	8	2.10	300	400
SRCI.0603.R27JT00	270	50	8	2.40	300	350
SRCI.0603.R33JT00	330	50	8	3.0	300	350

◆ Multilayer Chip Ceramic Inductor SRCI.0805 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (nH)	Test Freq. (MHz)	Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(MHz)
SRCI.0805.1N5JT00	1.5	100	10	0.10	600	6000
SRCI.0805.1N8JT00	1.8	100	10	0.10	600	6000
SRCI.0805.2N2JT00	2.2	100	10	0.10	600	6000
SRCI.0805.2N7JT00	2.7	100	12	0.10	600	6000
SRCI.0805.3N3JT00	3.3	100	12	0.13	600	6000
SRCI.0805.3N9JT00	3.9	100	12	0.15	600	5000
SRCI.0805.4N7JT00	4.7	100	12	0.20	400	4000
SRCI.0805.5N6JT00	5.6	100	15	0.23	400	3500
SRCI.0805.6N8JT00	6.8	100	15	0.25	400	2800
SRCI.0805.8N2JT00	8.2	100	15	0.28	400	2400
SRCI.0805.10NJT00	10	100	15	0.30	300	2100
SRCI.0805.12NJT00	12	100	15	0.35	300	1900
SRCI.0805.15NJT00	15	100	15	0.40	300	1800
SRCI.0805.18NJT00	18	100	15	0.45	300	1500
SRCI.0805.22NJT00	22	100	15	0.50	300	1400
SRCI.0805.27NJT00	27	100	15	0.55	300	1300
SRCI.0805.33NJT00	33	100	15	0.60	300	1200
SRCI.0805.39NJT00	39	100	15	0.65	300	1000
SRCI.0805.47NJT00	47	100	15	0.70	300	900
SRCI.0805.56NJT00	56	100	15	0.75	300	800
SRCI.0805.68NJT00	68	100	15	0.80	300	700
SRCI.0805.82NJT00	82	100	15	0.90	300	600
SRCI.0805.R10JT00	100	100	15	0.90	300	600
SRCI.0805.R12JT00	120	100	13	0.95	300	500
SRCI.0805.R15JT00	150	50	13	1.00	300	500
SRCI.0805.R18JT00	180	50	13	1.20	300	400
SRCI.0805.R22JT00	220	50	12	1.40	300	350
SRCI.0805.R27JT00	270	50	12	1.70	300	300
SRCI.0805.R33JT00	330	50	12	2.00	300	250
SRCI.0805.R39JT00	390	50	10	2.50	300	250
SRCI.0805.R47JT00	470	50	10	2.80	300	200

◆ SMD Wire Wound Chip Inductor SRWI Series



FEATURES

- ◆ Ultra-small size exceptional Q and high SRF make these inductors ideal for high frequency applications where size is at a premium.
- ◆ Have excellent DCR and current carrying characteristic

APPLICATIONS

- ◆ Cordless phone and high frequency communication products.

PRODUCT IDENTIFICATION

SRWI 0805 100 J I 00
a b c d e f

a: Series name

b: Product dimensions

c: Inductance Value

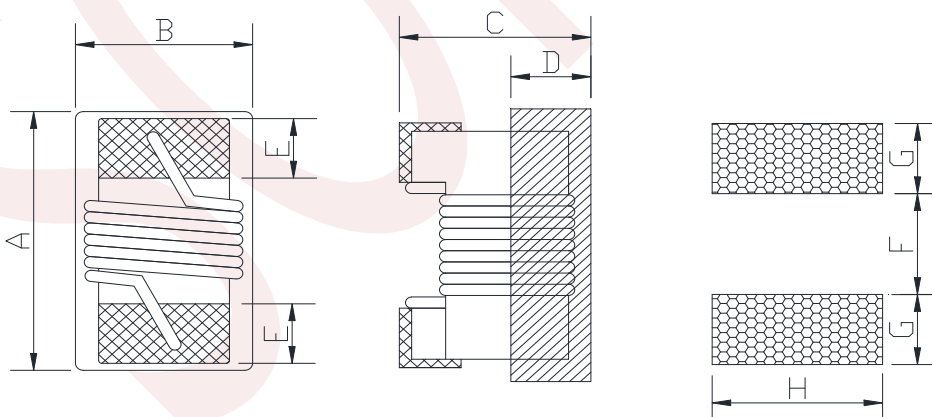
(1N0:1.0nH、 10N: 10nH、 R10:100nH)

d: Inductance Tolerance (J:5%、 K:10%、 M:20%)

e: Package(T:Tape/Reel、 B: Bulk)

f: Numbering (standard)

SHAPES AND DIMENSIONS



Series	Dimensions(mm)							
	A Max.	B Max.	C Max.	D	E	F Ref.	G Ref.	H Ref.
SRWI.0402	1.2	0.66	0.66	0.25	0.23	0.46	0.36	0.66
SRWI.0603	1.8	1.12	1.02	0.45	0.33	0.64	0.64	1.02
SRWI.0805	2.3	1.73	1.52	0.65	0.51	0.76	1.02	1.78

◆ SMD Wire Wound Chip Inductor

SRWI.0402 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (nH)	Test Freq. (MHz)		Q (Typ.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(GHz)
		L	Q				
SRWI.0402.1N0JT00	1.0	250	900	26	0.045	1360	12.7
SRWI.0402.2N0JT00	2.0	250	900	30	0.070	1040	11.1
SRWI.0402.2N2JT00	2.2	250	900	32	0.070	960	10.8
SRWI.0402.3N3JT00	3.3	250	900	41	0.066	840	7.0
SRWI.0402.3N9JT00	3.9	250	900	41	0.066	840	6.0
SRWI.0402.4N7JT00	4.7	250	900	48	0.130	640	4.77
SRWI.0402.5N6JT00	5.6	250	900	46	0.083	760	4.80
SRWI.0402.6N8JT00	6.8	250	900	49	0.083	680	4.80
SRWI.0402.8N2JT00	8.2	250	900	49	0.100	680	4.40
SRWI.0402.10NJT00	10	250	900	47	0.200	480	3.90
SRWI.0402.12NJT00	12	250	900	51	0.120	640	3.60
SRWI.0402.15NJT00	15	250	900	54	0.170	560	3.28
SRWI.0402.18NJT00	18	250	900	50	0.230	420	3.10
SRWI.0402.22NJT00	22	250	900	53	0.300	400	2.80
SRWI.0402.33NJT00	33	250	900	31	0.300	400	2.35
SRWI.0402.39NJT00	39	250	900	47	0.550	200	2.10
SRWI.0402.47NJT00	47	250	900	38	0.830	150	2.10
SRWI.0402.56NJT00	56	250	900	42	0.970	100	1.76
SRWI.0402.68NJT00	68	250	900	36	1.12	100	1.62
SRWI.0402.82NJT00	82	250	900		1.55	50	1.26
SRWI.0402.R10JT00	100	250	900		2.00	30	1.16

◆ SMD Wire Wound Chip Inductor

SRWI.0603 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (nH)	Test Freq. (MHz)	Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(GHz)
SRWI.0603.1N8JT00	1.8	250	16	0.045	700	12.5
SRWI.0603.2N2JT00	2.2	250	13	0.250	100	12.5
SRWI.0603.3N3JT00	3.3	250	22	0.045	700	5.9
SRWI.0603.3N9JT00	3.9	250	22	0.080	700	6.9
SRWI.0603.4N7JT00	4.7	250	24	0.116	700	5.8
SRWI.0603.5N6JT00	5.6	250	26	0.075	700	4.8
SRWI.0603.6N8JT00	6.8	250	27	0.110	700	5.8
SRWI.0603.8N2JT00	8.2	250	30	0.115	700	4.2
SRWI.0603.10NJT00	10	250	31	0.130	700	4.8
SRWI.0603.12NJT00	12	250	35	0.130	700	4.0
SRWI.0603.15NJT00	15	250	35	0.170	700	4.0
SRWI.0603.18NJT00	18	250	35	0.170	700	3.1
SRWI.0603.22NJT00	22	250	38	0.190	700	3.0
SRWI.0603.27NJT00	27	250	40	0.220	600	2.8
SRWI.0603.33NJT00	33	250	40	0.220	600	2.3
SRWI.0603.39NJT00	39	250	40	0.250	600	2.2
SRWI.0603.47NJT00	47	200	38	0.280	600	2.0
SRWI.0603.56NJT00	56	200	38	0.310	600	1.9
SRWI.0603.68NJT00	68	200	37	0.340	600	1.7
SRWI.0603.82NJT00	82	150	34	0.540	400	1.7
SRWI.0603.R10JT00	100	150	34	0.580	400	1.4
SRWI.0603.R12JT00	120	150	32	0.650	300	1.3
SRWI.0603.R15JT00	150	150	28	0.920	280	0.99
SRWI.0603.R18JT00	180	100	25	1.25	240	0.99
SRWI.0603.R22JT00	220	100	25	2.10	200	0.90
SRWI.0603.R27JT00	270	100	24	2.80	170	0.83
SRWI.0603.R33JT00	330	100	25	3.89	100	0.79
SRWI.0603.R39JT00	390	100	25	4.35	100	0.78
SRWI.0603.R47JT00	470	100	25	4.50	80	0.70

◆ SMD Wire Wound Chip Inductor

SRWI.0805 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (nH)	Test Freq. (MHz)		Q (Min.)	DCR Max. (Ω)	Rated Current Max. (mA)	SRF Min.(GHz)
		L	Q				
SRWI.0805.3N3JT00	3.3	250	1500	50	0.08	600	7.90
SRWI.0805.5N6JT00	5.6	250	1000	65	0.08	600	5.50
SRWI.0805.6N8JT00	6.8	250	1000	50	0.11	600	5.50
SRWI.0805.8N2JT00	8.2	250	1000	50	0.12	600	4.70
SRWI.0805.10NJT00	10	250	500	60	0.10	600	4.20
SRWI.0805.12NJT00	12	250	500	50	0.15	600	4.00
SRWI.0805.15NJT00	15	250	500	50	0.17	600	3.40
SRWI.0805.18NJT00	18	250	500	50	0.20	600	3.30
SRWI.0805.22NJT00	22	250	500	55	0.22	500	2.60
SRWI.0805.27NJT00	27	250	500	55	0.25	500	2.50
SRWI.0805.33NJT00	33	250	500	60	0.27	500	2.05
SRWI.0805.39NJT00	39	250	500	60	0.29	500	2.00
SRWI.0805.47NJT00	47	200	500	60	0.31	500	1.65
SRWI.0805.56NJT00	56	200	500	60	0.34	500	1.55
SRWI.0805.68NJT00	68	200	500	60	0.38	500	1.45
SRWI.0805.82NJT00	82	150	500	65	0.42	400	1.30
SRWI.0805.R10JT00	100	150	500	65	0.46	400	1.20
SRWI.0805.R12JT00	120	150	250	50	0.51	400	1.10
SRWI.0805.R15JT00	150	100	250	50	0.56	400	0.92
SRWI.0805.R18JT00	180	100	250	50	0.64	400	0.87
SRWI.0805.R22JT00	220	100	250	50	0.70	400	0.85
SRWI.0805.R27JT00	270	100	250	48	1.00	350	0.65
SRWI.0805.R33JT00	330	100	250	48	1.40	310	0.60
SRWI.0805.R39JT00	390	100	250	48	1.50	290	0.56
SRWI.0805.R47JT00	470	50	100	33	1.76	250	0.38
SRWI.0805.R56JT00	560	25	50	23	1.90	230	0.34
SRWI.0805.R68JT00	680	25	50	23	2.20	190	0.188
SRWI.0805.R82JT00	820	25	50	23	2.35	180	0.215

◆ SMD Wire Wound Ferrite Inductor SRWF Series



FEATURES

- ◆ Utilizing a miniaturized winding structure.
- ◆ These products provide low DC resistance and high current.
- ◆ Precision inductance tolerance is available.

APPLICATIONS

- ◆ xDSL mode and cable modem; Personal computers, Digital cameras and other electronic equipments.

PRODUCT IDENTIFICATION

SRWF 0805 100 J T 00

a b c d e f

a: Series name

b: Product dimensions

c: Inductance Value

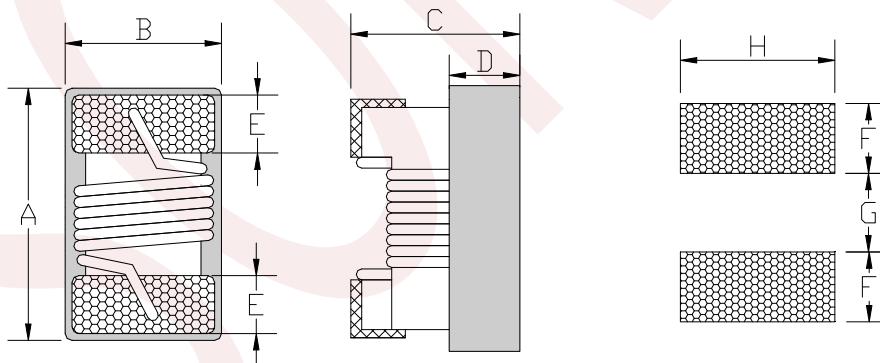
(1R0:1.0uH、 100: 10uH、 101:100uH)

d: Inductance Tolerance (J:5%、 K:10%、 M:20%)

e: Package(T:Tape/Reel、 B: Bulk)

f: Numbering (standard)

SHAPES AND DIMENSIONS



Series	Dimensions(mm)							
	A Max.	B Max.	C Max.	D	E	F Ref.	G Ref.	H Ref.
SRWF.0805	2.40	1.65	1.30	0.65	0.44	1.02	0.76	1.78
SRWF.1008	2.90	2.55	2.10	1.30	0.50	1.02	1.27	2.54
SRWF.1210	3.60	2.90	2.40	1.30	0.50	1.20	2.00	1.20

◆ SMD Wire Wound Ferrite Inductor SRWF.0805 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (MHz)		Q (Min.)	DCR Max. (Ω)	IDC Max. (mA)	SRF Min.(MHz)
		L	Q				
SRWF.0805.R12JT00	0.12	25	25	25	0.18	1500	1000
SRWF.0805.R15JT00	0.15	25	25	25	0.18	1400	1000
SRWF.0805.R18JT00	0.18	25	25	30	0.20	1400	1000
SRWF.0805.R22JT00	0.22	25	25	30	0.25	1350	830
SRWF.0805.R27JT00	0.27	25	25	30	0.38	1300	800
SRWF.0805.R33JT00	0.33	25	25	30	0.35	1200	750
SRWF.0805.R39JT00	0.39	25	25	30	0.35	1160	700
SRWF.0805.R47JT00	0.47	25	25	30	0.40	1100	690
SRWF.0805.R56JT00	0.56	25	25	30	0.40	1040	640
SRWF.0805.R62JT00	0.62	25	25	30	0.45	980	640
SRWF.0805.R68JT00	0.68	25	25	30	0.50	900	510
SRWF.0805.R82JT00	0.82	25	25	30	0.50	900	500
SRWF.0805.R91JT00	0.91	25	25	30	0.55	900	500
SRWF.0805.1R0JT00	1.0	7.9	7.9	20	0.60	840	470
SRWF.0805.1R2JT00	1.2	7.9	7.9	20	0.75	800	400
SRWF.0805.1R5JT00	1.5	7.9	7.9	25	1.00	720	400
SRWF.0805.1R8JT00	1.8	7.9	7.9	25	1.00	660	230
SRWF.0805.2R2JT00	2.2	7.9	7.9	25	1.05	600	200
SRWF.0805.2R7JT00	2.7	7.9	7.9	25	1.18	500	130
SRWF.0805.3R3JT00	3.3	7.9	7.9	25	1.26	480	160
SRWF.0805.3R9JT00	3.9	7.9	7.9	25	1.75	440	130
SRWF.0805.4R7JT00	4.7	7.9	7.9	25	1.87	390	120
SRWF.0805.5R6JT00	5.6	7.9	7.9	25	2.00	340	90
SRWF.0805.6R8JT00	6.8	7.9	7.9	25	2.15	300	55
SRWF.0805.8R2JT00	8.2	7.9	7.9	25	2.37	280	40
SRWF.0805.100JT00	10	2.5	2.5	16	2.55	260	40
SRWF.0805.120JT00	12	2.5	2.5	16	2.80	220	37
SRWF.0805.150JT00	15	2.5	2.5	16	3.80	200	30
SRWF.0805.180JT00	18	2.5	2.5	16	4.48	180	23
SRWF.0805.220JT00	22	2.5	2.5	16	6.30	160	20
SRWF.0805.270JT00	27	2.5	2.5	16	6.85	140	19
SRWF.0805.330JT00	33	2.5	2.5	16	7.60	120	18

Note:

Tolerance: K:±10% , J:±5%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

◆ SMD Wire Wound Ferrite Inductor SRWF.1008 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (MHz)		Q (Min.)	DCR Max. (Ω)	IDC Max. (mA)	SRF Min.(MHz)
		L	Q				
SRWF.1008.R22JT00	0.22	25	25	27	0.40	880	750
SRWF.1008.R39JT00	0.39	25	25	30	0.45	920	480
SRWF.1008.R56JT00	0.56	25	25	30	0.55	900	460
SRWF.1008.R68JT00	0.68	25	25	30	0.55	880	420
SRWF.1008.R82JT00	0.82	25	25	30	0.65	840	380
SRWF.1008.1R0JT00	1.0	7.9	7.9	25	0.60	800	300
SRWF.1008.1R2JT00	1.2	7.9	7.9	25	0.74	800	280
SRWF.1008.1R8JT00	1.8	7.9	7.9	25	0.92	780	240
SRWF.1008.2R2JT00	2.2	7.9	7.9	25	1.10	760	205
SRWF.1008.3R3JT00	3.3	7.9	7.9	25	1.37	740	165
SRWF.1008.3R9JT00	3.9	7.9	7.9	25	1.66	700	144
SRWF.1008.4R7JT00	4.7	7.9	7.9	25	1.68	660	110
SRWF.1008.5R6JT00	5.6	7.9	7.9	25	1.75	640	88
SRWF.1008.6R8JT00	6.8	7.9	7.9	25	1.85	640	70
SRWF.1008.8R2JT00	8.2	7.9	7.9	25	2.00	600	57
SRWF.1008.100JT00	10	2.5	2.5	15	2.32	600	55
SRWF.1008.120JT00	12	2.5	2.5	15	2.99	560	52
SRWF.1008.150JT00	15	2.5	2.5	15	3.42	480	49
SRWF.1008.180JT00	18	2.5	2.5	15	4.65	420	48
SRWF.1008.220JT00	22	2.5	2.5	15	5.12	420	25
SRWF.1008.270JT00	27	2.5	2.5	15	5.76	420	23
SRWF.1008.330JT00	33	2.5	2.5	15	6.44	400	17
SRWF.1008.390JT00	39	2.5	2.5	15	6.85	380	15
SRWF.1008.470JT00	47	2.5	2.5	14	9.94	260	13
SRWF.1008.560JT00	56	2.5	2.5	14	10.7	280	10
SRWF.1008.680JT00	68	2.5	2.5	14	12.8	260	8
SRWF.1008.820JT00	82	2.5	2.5	14	18.3	240	8
SRWF.1008.101JT00	100	1.0	1.0	8	19.6	200	7

Note:

Tolerance: K:±10% , J:±5%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

◆ SMD Wire Wound Ferrite Inductor SRWF.1210 Series

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (MHz)		Q (Min.)	DCR Max. (Ω)	IDC Max. (mA)	SRF Min.(MHz)
		L	Q				
SRWF.1210.1R8JT00	1.8	7.9	7.9	40	0.62	1000	203
SRWF.1210.2R7JT00	2.7	7.9	7.9	40	0.65	1000	200
SRWF.1210.3R0JT00	3.0	7.9	7.9	40	0.78	800	180
SRWF.1210.3R3JT00	3.3	7.9	7.9	30	0.83	1200	146
SRWF.1210.3R9JT00	3.9	7.9	7.9	30	1.74	900	139
SRWF.1210.4R7JT00	4.7	7.9	7.9	35	1.90	800	124
SRWF.1210.5R6JT00	5.6	7.9	7.9	30	2.05	700	114
SRWF.1210.6R8JT00	6.8	7.9	7.9	30	1.37	450	109
SRWF.1210.100JT00	10	2.5	2.5	23	1.70	590	90
SRWF.1210.150JT00	15	2.5	2.5	25	2.22	340	67
SRWF.1210.180JT00	18	2.5	2.5	25	2.42	330	57
SRWF.1210.220JT00	22	2.5	2.5	25	2.66	300	48
SRWF.1210.270JT00	27	2.5	2.5	25	2.99	250	38
SRWF.1210.680JT00	68	2.5	2.5	23	4.50	340	15
SRWF.1210.820JT00	82	2.5	2.5	23	5.95	300	15
SRWF.1210.101JT00	100	1.0	1.0	15	6.62	250	14
SRWF.1210.151JT00	150	1.0	1.0	15	8.29	135	11
SRWF.1210.221JT00	220	1.0	1.0	15	12.48	80	8

Note:

Tolerance: K:±10% , J:±5%

IDC:DC current at which the inductance drops approximate 10% from its value without current;

◆ Multilayer Chip Ferrite Beads SRGB Series



- ◆ Multilayer monolithic construction yields high reliability.
- ◆ Excellent solderability and heat resistance for either flow or reflow soldering.
- ◆ Substantial EMI suppression over a wide frequency range.

APPLICATIONS

- ◆ Noise suppression in digital equipment such as computer and its peripheral devices, DVD, camera, OA, etc.

PRODUCT IDENTIFICATION

SRGB 0805 100 I I 00
a b c d e f

a: Series name

b: Product dimensions

c: Impedance

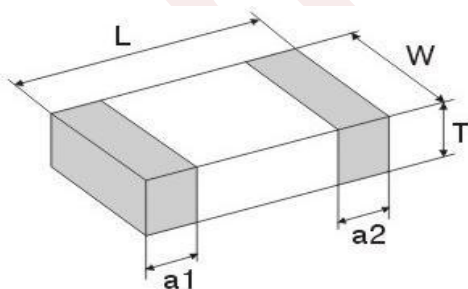
(100:10Ω; 101: 100Ω; 102: 1000Ω)

d: Inductance Tolerance (J:5%、K:10%、M:20%)

e: Package(T:Tape/Reel、B: Bulk)

f: Numbering (standard)

SHAPES AND DIMENSIONS



Type	Dimensions (mm) [inch]			
	L	W	T	a1 a2
0201 [0603]	0.60±0.05 [0.024±0.002]	0.30±0.05 [0.012±0.002]	0.30±0.05 [0.012±0.002]	0.15±0.05 [0.02±0.002]
0402 [1005]	1.00±0.15 [0.04±0.006]	0.50±0.15 [0.02±0.006]	0.50±0.15 [0.02±0.006]	0.25±0.10 [0.01±0.004]
0603 [1608]	1.60±0.15 [0.063±0.006]	0.80±0.15 [0.031±0.006]	0.80±0.15 [0.031±0.006]	0.30±0.20 [0.012±0.008]
0805 [2012]	2.00±0.20 [0.079±0.008]	1.25±0.20 [0.049±0.008]	0.85±0.20 [0.033±0.008]	0.50±0.30 [0.02±0.012]
1206 [3216]	3.20±0.20 [0.126±0.008]	1.60±0.20 [0.063±0.008]	0.90±0.20 [0.035±0.008]	0.50±0.30 [0.02±0.012]

◆ Multilayer Chip Ferrite Beads

SRGB.0201/0402/0603 Series

ELECTRICAL CHARACTERISTICS

Part Number	Impedance (Ω) $\pm 25\%$	Test Freq. (MHz/V)	DCR Max. (Ω)	Rated Current Max. (mA)
SRGB.0201.100TT00	10	100/0.25	0.120	500
SRGB.0201.800TT00	80	100/0.25	0.370	200
SRGB.0201.121TT00	120	100/0.25	0.450	200
SRGB.0201.241TT00	240	100/0.25	0.750	200
SRGB.0201.471TT00	470	100/0.25	1.300	100
SRGB.0201.601TT00	600	100/0.25	1.750	100

Part Number	Impedance (Ω) $\pm 25\%$	Test Freq. (MHz/V)	DCR Max. (Ω)	Rated Current Max. (mA)
SRGB.0402.050TT00	5	100/0.25	0.05	500
SRGB.0402.110TT00	11	100/0.25	0.05	500
SRGB.0402.190TT00	19	100/0.25	0.05	300
SRGB.0402.310TT00	31	100/0.25	0.20	300
SRGB.0402.600TT00	60	100/0.25	0.30	200
SRGB.0402.800TT00	80	100/0.25	0.30	200
SRGB.0402.121TT00	120	100/0.25	0.40	150
SRGB.0402.181TT00	180	100/0.25	0.50	150
SRGB.0402.301TT00	300	100/0.25	0.65	100
SRGB.0402.601TT00	600	100/0.25	1.00	100
SRGB.0402.102TT00	1000	100/0.25	1.30	100
SRGB.0402.152TT00	1500	100/0.25	1.40	100
SRGB.0402.182TT00	1800	100/0.25	1.40	100

Part Number	Impedance (Ω) $\pm 25\%$	Test Freq. (MHz/V)	DCR Max. (Ω)	Rated Current Max. (mA)
SRGB.0603.070TT00	7	100/0.25	0.05	1000
SRGB.0603.190TT00	19	100/0.25	0.05	1000
SRGB.0603.600TT00	60	100/0.25	0.12	300
SRGB.0603.800TT00	80	100/0.25	0.16	200
SRGB.0603.121TT00	120	100/0.25	0.20	200
SRGB.0603.181TT00	180	100/0.25	0.30	200
SRGB.0603.221TT00	220	100/0.25	0.30	200
SRGB.0603.301TT00	300	100/0.25	0.35	200
SRGB.0603.601TT00	600	100/0.25	0.50	200
SRGB.0603.102TT00	1000	100/0.25	0.60	100
SRGB.0603.152TT00	1500	100/0.25	0.80	100
SRGB.0603.202TT00	2000	100/0.25	1.20	100
SRGB.0603.252TT00	2500	100/0.25	1.50	50

◆ Multilayer Chip Ferrite Beads

SRGB.0805 Series

ELECTRICAL CHARACTERISTICS

Part Number	Impedance (Ω) $\pm 25\%$	Test Freq. (MHz/V)	DCR Max. (Ω)	Rated Current Max. (mA)
SRGB.0805.070TT00	7	100/0.25	0.05	2200
SRGB.0805.110TT00	11	100/0.25	0.05	2000
SRGB.0805.190TT00	19	100/0.25	0.05	2000
SRGB.0805.260TT00	26	100/0.25	0.05	1500
SRGB.0805.310TT00	31	100/0.25	0.05	1500
SRGB.0805.360TT00	36	100/0.25	0.05	1500
SRGB.0805.600TT00	60	100/0.25	0.05	1000
SRGB.0805.700TT00	70	100/0.25	0.08	1000
SRGB.0805.800TT00	80	100/0.25	0.10	1000
SRGB.0805.101TT00	100	100/0.25	0.12	1000
SRGB.0805.121TT00	120	100/0.25	0.15	800
SRGB.0805.151TT00	150	100/0.25	0.15	800
SRGB.0805.181TT00	180	100/0.25	0.20	600
SRGB.0805.221TT00	220	100/0.25	0.20	600
SRGB.0805.301TT00	300	100/0.25	0.25	500
SRGB.0805.501TT00	500	100/0.25	0.30	500
SRGB.0805.601TT00	600	100/0.25	0.35	500
SRGB.0805.751TT00	750	100/0.25	0.35	300
SRGB.0805.102TT00	1000	100/0.25	0.45	300
SRGB.0805.122TT00	1200	100/0.25	0.50	200
SRGB.0805.152TT00	1500	100/0.25	0.65	200
SRGB.0805.202TT00	2000	100/0.25	0.80	200
SRGB.0805.222TT00	2200	100/0.25	1.50	200
SRGB.0805.252TT00	2500	100/0.25	1.50	200

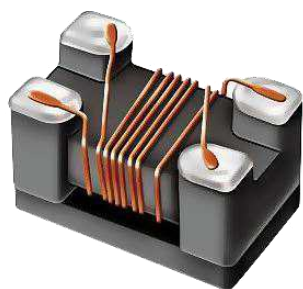
◆ Multilayer Chip Ferrite Beads

SRGB.3216 Series

ELECTRICAL CHARACTERISTICS

Part Number	Impedance (Ω) $\pm 25\%$	Test Freq. (MHz/V)	DCR Max. (Ω)	Rated Current Max. (mA)
SRGB.3216.190TT00	19	100/0.25	0.05	2000
SRGB.3216.260TT00	26	100/0.25	0.05	2000
SRGB.3216.310TT00	31	100/0.25	0.05	2000
SRGB.3216.360TT00	36	100/0.25	0.05	2000
SRGB.3216.600TT00	60	100/0.25	0.08	1000
SRGB.3216.800TT00	80	100/0.25	0.08	1000
SRGB.3216.101TT00	100	100/0.25	0.10	1000
SRGB.3216.121TT00	120	100/0.25	0.10	600
SRGB.3216.151TT00	150	100/0.25	0.15	600
SRGB.3216.181TT00	180	100/0.25	0.15	600
SRGB.3216.301TT00	300	100/0.25	0.20	600
SRGB.3216.391TT00	390	100/0.25	0.20	600
SRGB.3216.501TT00	500	100/0.25	0.30	600
SRGB.3216.601TT00	600	100/0.25	0.30	600
SRGB.3216.751TT00	750	100/0.25	0.30	600
SRGB.3216.102TT00	1000	100/0.25	0.40	500
SRGB.3216.122TT00	1200	100/0.25	0.50	300
SRGB.3216.152TT00	1500	100/0.25	0.60	200
SRGB.3216.202TT00	2000	100/0.25	0.70	200
SRGB.3216.252TT00	2500	100/0.25	0.70	200
SRGB.3216.302TT00	3000	100/0.25	1.00	200

◆ Winding Wire Common Mode Choke Coil SRCM Series



FEATURES

- ◆ High common mode impedance at high frequency.
- ◆ Excellent noise suppression performance.
- ◆ Small size and low profile.

APPLICATIONS

- ◆ Ideally used in digital TVs, DVD recorders and liquid crystal projectors, etc.

PRODUCT IDENTIFICATION

SRCM 2012 121 T T 00

a b c d e f

a: Series name

b: Product dimensions

c: Impedance

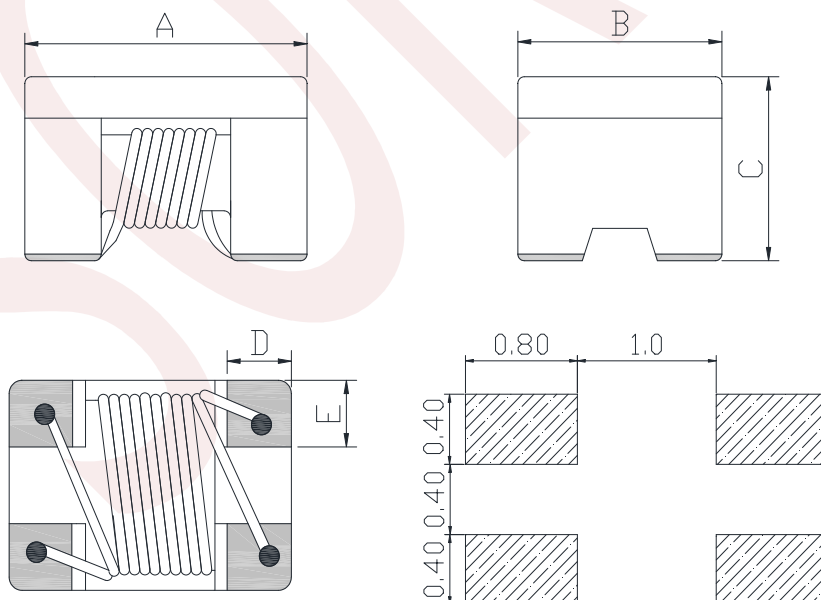
(100:10Ω; 101: 100Ω; 102: 1000Ω)

d: Inductance Tolerance (J:5%、K:10%、M:20%)

e: Package(T:Tape/Reel、B: Bulk)

f: Numbering (standard)

SHAPES AND DIMENSIONS



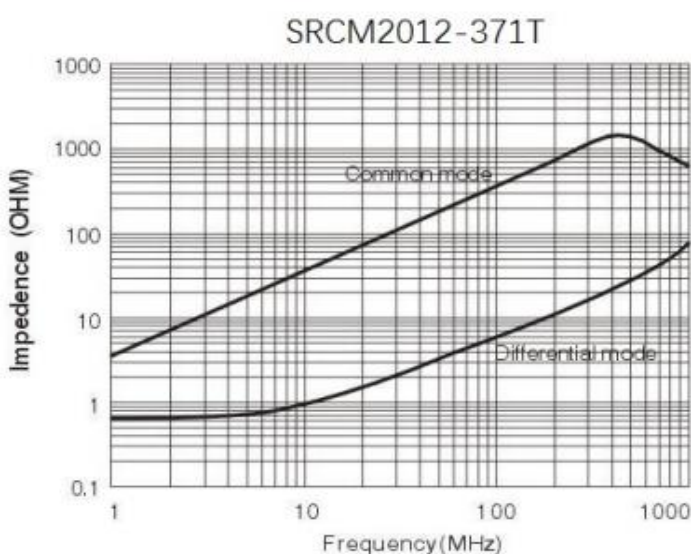
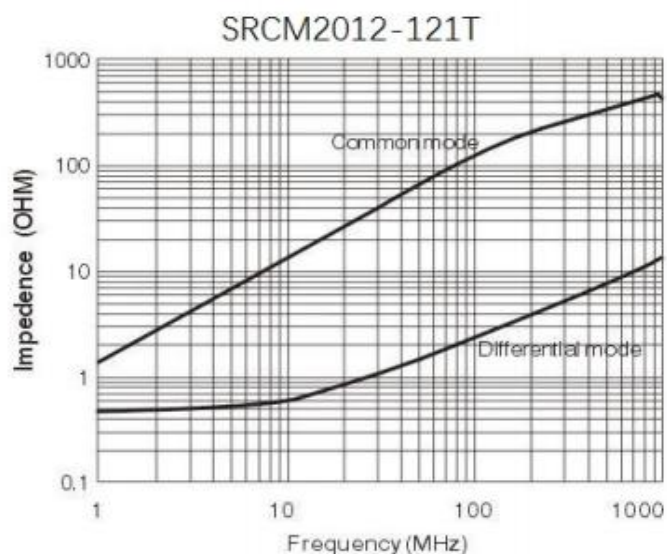
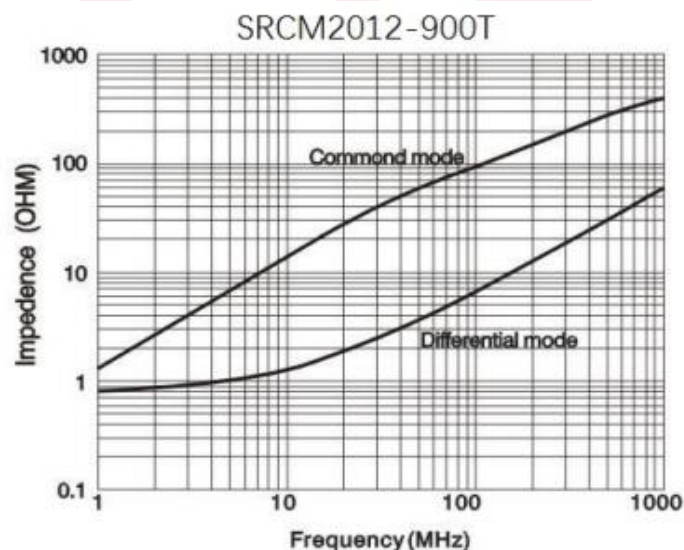
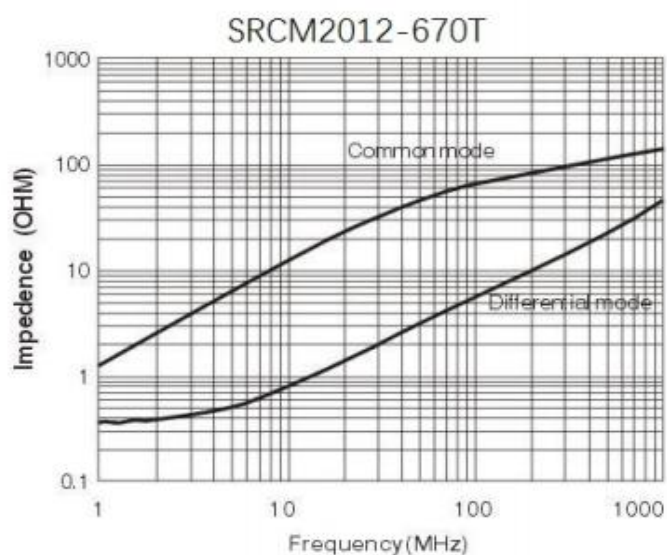
Type	Dimensions (mm) [inch]				
	A Max.	B Max.	C Max.	D	E
SRCM.2012	2.20	1.40	1.40	0.45	0.40

◆ Winding Wire Common Mode Choke Coil

SRCM.2012 Series

ELECTRICAL CHARACTERISTICS

Part Number	Impedance (Ω) $\pm 25\%$	Test Freq. (MHz/V)	DCR Max. (Ω)	Rated Voltage Vdc (max.)	Rated Current Max. (mA)
SRCM.2012.300TT00	30 $\pm 25\%$	100/0.25	0.20	50	450
SRCM.2012.400TT00	40 $\pm 25\%$	100/0.25	0.20	50	450
SRCM.2012.670TT00	67 $\pm 25\%$	100/0.25	0.25	50	400
SRCM.2012.900TT00	90 $\pm 25\%$	100/0.25	0.30	50	370
SRCM.2012.121TT00	120 $\pm 25\%$	100/0.25	0.30	50	370
SRCM.2012.181TT00	180 $\pm 25\%$	100/0.25	0.35	50	330
SRCM.2012.201TT00	200 $\pm 25\%$	100/0.25	0.35	50	330
SRCM.2012.261TT00	260 $\pm 25\%$	100/0.25	0.40	50	300
SRCM.2012.371TT00	370 $\pm 25\%$	100/0.25	0.40	50	280



SOREDE

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