



德砚电子

DE YAN DIAN ZI

Data Sheet

RoHS



ISO 9001
质量管理体系认证



ISO 14001
环境管理体系认证

Shenzhen Deyan Electronics Co., Ltd

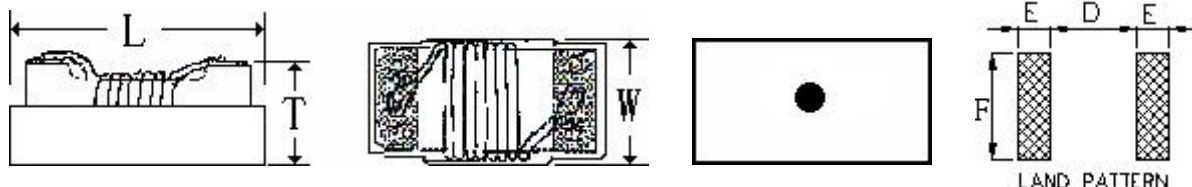
CUSTOMER:		REV NO:	A
DESCRIPTION:	WIRE WOUND CHIP INDUCTOR	PAGE NO:	PAGE 1 OF 6
PART NO:		SN.	
CUSTOMER NO:	DWI0603LD系列	DATE:	2022年7月5日

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1.SHAPE & DIMENSION



CODE		L(MAX)	W(MAX)	T(MAX)	E(Typ.)	F(Typ.)	D(Typ.)
DIMENSION	DWI0603LD	1.80	1.25	1.10	0.64	1.02	0.64

2. PART NUMBERING SYSTEM

DWI 0603 LD 2R2 K S T - C - HF
1 2 3 4 5 6 7 - 8 - 9

- 1 PRODUCT SYMBOL (产品代号)
- 2 DIMENSIONS (规格尺寸)
- 3 MATERIAL (芯片类型)
- 4 INDUCTANCE (电感量)
- 5 TOLERANCE (公差) : J±5%; K±10%; M±20%
- 6 TERMINAL (端电极材料) : S-锡端头
- 7 PACKAGING (包装方式) : T-编带盘装; B-散装
- 8 Color (颜色) : C-点色
- 9 E.P. (环保) : LF—Lead Free HF—Halogen Free FP—Red Phosphor Free

3.GENERAL SPECIFICATION

- a. Rating DC current: Temperature rise(ΔT) is 40°C approximately at Irms.
- b. Operating temp.: -40°C~+85°C
- c. Storage temp.: -10°C ~+40°C R.H.: 65% Max
- d. Moisture sensitivity level (MSL) 2 (1 year floor life at <30°C/65% relative humidity)

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4. Electrical Characteristics List

NO.	Part Number	L	Freq	Q	SRF	Rdc	Irms	Color
		(μ H)	(MHz)	(Typ)	(MHz)Typ	(Ω)max	(mA)Typ	
1	DWI0603LD1R0KST-HF	1	7.9	16	250	0.41	700	/
2	DWI0603LD1R5KST-C-HF	1.5	7.9	16	160	0.52	600	Brown
3	DWI0603LD1R8KST-C-HF	1.8	7.9	16	121	0.56	580	Red
4	DWI0603LD2R2KST-C-HF	2.2	7.9	16	103	0.72	580	Orange
5	DWI0603LD2R7KST-C-HF	2.7	7.9	16	72	0.81	500	Yellow
6	DWI0603LD3R9KST-C-HF	3.9	7.9	16	61	1.08	460	Blue
7	DWI0603LD4R7KST-C-HF	4.7	7.9	16	51	0.97	420	Violet
8	DWI0603LD5R6KST-C-HF	5.6	7.9	16	47	1.43	380	Gray
9	DWI0603LD6R8KST-C-HF	6.8	7.9	16	43	1.95	340	White
10	DWI0603LD100KST-C-HF	10	2.5	14	36	2.4	280	Brown
11	DWI0603LD120KST-C-HF	12	2.5	14	32	2.96	260	Red
12	DWI0603LD150KST-C-HF	15	2.5	14	29	3.38	220	Orange
13	DWI0603LD220KST-C-HF	22	2.5	14	24	4.69	200	Green
14	DWI0603LD270KST-C-HF	27	2.5	14	20	6.76	140	Blue
15	DWI0603LD330KST-C-HF	33	2.5	14	15	8.58	120	Violet

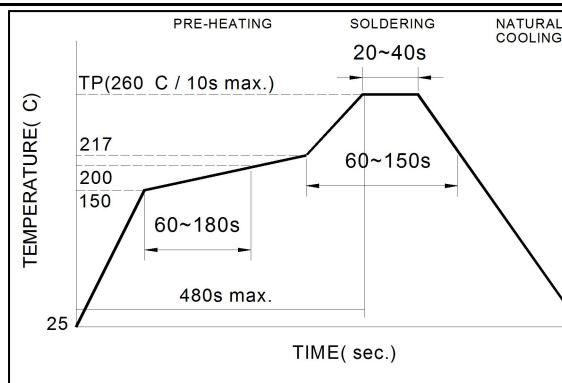
产品公差: K $\pm$ 10%; M $\pm$ 20%

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5. SOLDERING CONDITIONS

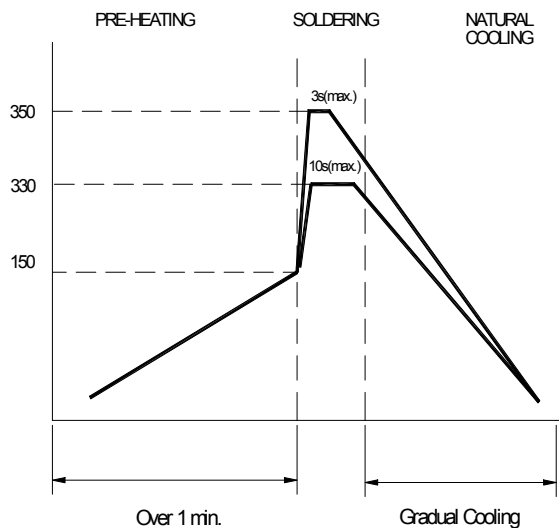
**Figure 1.
Re-flow
Soldering
(Lead Free)**



Note:

- Preheat circuit and products to 150°C
- 260°C tip temperature (max)
- Reflow times: no more than 2 times
- Solder paste thickness: the best 0.08mm is ,but max is 0.1mm

**Figure 2.
Hand
Soldering**



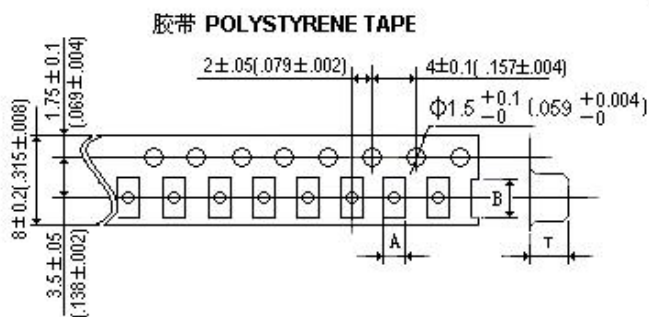
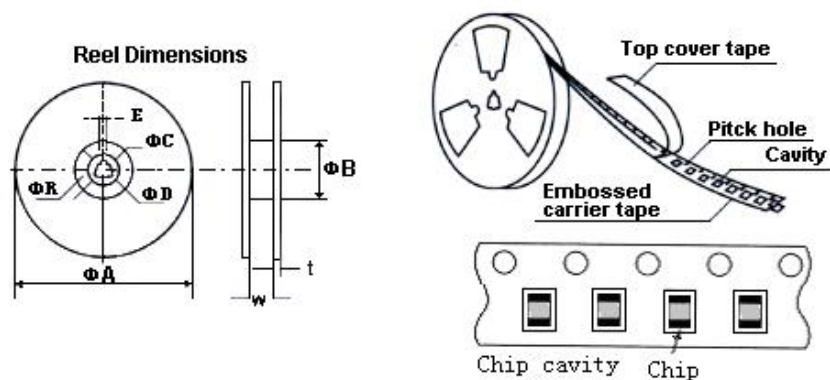
Note:

- Use a 20 watt soldering iron with tip diameter of 1.0mm
- Limit soldering time to 3 sec.

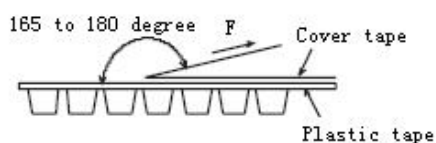
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6. PACKAGING(unit: mm)



Peeling off force
Pull strength
0402~1210: 20g~80g
Speed of peeling off:
300mm/min±10%



	A	B	T
	Typ	Typ	Typ
胶带	1.15	1.83	0.95

ΦA	ΦB	ΦC	ΦD	E	W	t	R
Typ	Typ	Typ	Typ	Typ	Typ	Typ	Typ
178	60	13	21	2	8.4	2	1

包装数量(PACKAGING QUANTITY): 4000Pcs/盘

注意:

此物料不涉及汽车或相关产品方面的应用, 否则, 由此引起的一切品质和责任问题, 我司将概不承担。

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