

AABG Series

Features

- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels.
- Metallization on Ferrite Core results in excellent shock resistance and damage-free durability.
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference(EMI) .
- 35% high current rating than conventional inductors of equal size.
- Takes up less PCB real estate and save more power.
- Qualified to AEC-Q200.
- RoHS compliance.
- Halogen Free.

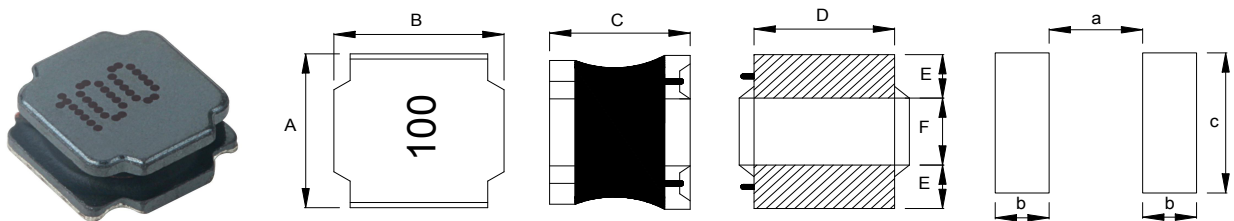
Applications

- Automotive applications.

Test Equipment and Conditions

- Inductance is measured with IM3536 LCR meter or equivalent.
- Operating temperature range -40℃ to +125℃.(Including self - temperature rise).
- DC current(Irms)that will cause an approximate ΔT of 40℃.
- DC current(Isat)that will cause Lo to drop approximately 35%.

External Dimensions (Unit:mm)



TYPE	A	B	C Max	D typ	E typ	F typ	a typ	b typ	c typ	Q'TY/Reel
AABG03A10	3.0±0.2	3.0±0.2	1.1	2.5	0.9	1.2	0.9	1.2	2.8	2000
AABG03A12	3.0±0.2	3.0±0.2	1.25	2.9	0.9	1.2	0.9	1.2	3.1	2000
AABG03A15	3.0±0.2	3.0±0.2	1.5	2.55	0.9	1.2	0.9	1.2	3.1	2000
AABG04A10	4.0±0.2	4.0±0.2	1.1	3.5	1.2	1.6	1.2	1.5	3.8	4500
AABG04A12	4.0±0.2	4.0±0.2	1.3	3.5	1.2	1.6	1.3	1.5	3.8	4500
AABG04A18	4.0±0.2	4.0±0.2	1.8	3.5	1.2	1.6	1.2	1.5	3.8	3000
AABG04A20	4.0±0.2	4.0±0.2	2	3.5	1.2	1.6	1.2	1.5	3.8	3000
AABG04A26	4.0±0.2	4.0±0.2	2.6	3.5	1.2	1.6	1.2	1.5	3.8	3000
AABG04A30	4.0±0.2	4.0±0.2	3	3.5	1.35	1.3	1.0	1.65	3.8	2000
AABG04A35	4.0±0.2	4.0±0.2	3.5	3.3	0.95	2.1	1.9	1.1	3.7	2000
AABG05A12	5.0±0.2	5.0±0.2	1.3	4	1.5	2	1.7	1.8	4.3	4500
AABG05A20	5.0±0.2	5.0±0.2	2	4	1.35	2.3	2	1.65	4.3	2500
AABG05A40	5.0±0.2	5.0±0.2	4	4	1.5	2	1.7	1.8	4.3	1500
AABG05A45	5.0±0.2	5.0±0.2	4.5	4	1.5	2	1.7	1.8	4.3	1500

TYPE	A	B	C Max	D typ	E typ	F typ	a typ	b typ	c typ	Q'TY/Reel
AABG06A20	6.0±0.3	6.0±0.3	2.0	4.9	1.65	2.7	2.4	1.95	5.2	2500
AABG06A28	6.0±0.3	6.0±0.3	2.8	4.9	1.65	2.7	2.4	1.95	5.2	2000
AABG06A45	6.0±0.3	6.0±0.3	4.7	4.9	1.65	2.7	2.4	1.95	5.2	1500
AABG06A55	6.0±0.3	6.0±0.3	5.7	4.9	1.65	2.7	2.4	1.95	5.2	1000
AABG08A40	8.0±0.3	8.0±0.3	4.2	6.3	2.45	3.1	2.8	2.75	6.6	1000
AABG08A65	8.0±0.3	8.0±0.3	6.8	6.3	2.45	3.1	2.8	2.75	6.6	700

2. Part Number Code

AABG	03	A	15	LC	M	100
Series Name	Dimensions: L*W	Materials	Dimensions: H	Internal control	Tolerance M:20% N:30%	Inductance

AABG Series

Part Number	Inductance (μH) @100KHz/1V	DC Resistance (Ω) ±30%	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
AABG03A10LCM1R0	1	0.063	180	1.49	1.44
AABG03A10LCM1R2	1.2	0.065	137	1.45	1.25
AABG03A10LCM1R5	1.5	0.077	120	1.34	1.31
AABG03A10LCM2R2	2.2	0.106	100	1.12	1.18
AABG03A10LCM2R7	2.7	0.125	90	1.05	1.03
AABG03A10LCM3R3	3.3	0.139	74	0.99	1
AABG03A12LCNR82	0.82	0.029	180	2.54	2.11
AABG03A12LCM1R0	1	0.039	120	2.27	1.93
AABG03A12LCM1R2	1.2	0.043	120	2.07	2.29
AABG03A12LCM1R5	1.5	0.043	110	2.07	1.67
AABG03A12LCM1R8	1.8	0.053	90	1.9	1.56
AABG03A12LCM2R2	2.2	0.072	84	1.6	1.24
AABG03A12LCM2R4	2.4	0.065	80	1.55	1.18
AABG03A12LCM2R7	2.7	0.081	65	1.52	1.17
AABG03A12LCM3R3	3.3	0.096	64	1.4	1.08
AABG03A12LCM3R6	3.6	0.1	36	1.36	1.05
AABG03A12LCM3R9	3.9	0.145	61	1.24	1
AABG03A12LCM4R7	4.7	0.116	61	1.24	0.93
AABG03A15LCNR50	0.5	0.03	162	2.6	3.9
AABG03A15LCNR68	0.68	0.035	152	2.65	2.65

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Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
AABG03A15LCN1R0	1	0.036	150	2.35	2.37
AABG03A15LCN1R2	1.2	0.039	110	2.01	2.28
AABG03A15LCM1R5	1.5	0.048	100	1.75	2.37
AABG03A15LCN1R8	1.8	0.048	92	1.75	1.8
AABG03A15LCN2R2	2.2	0.069	86	1.65	1.65
AABG03A15LCM2R7	2.7	0.072	64	1.47	1.57
AABG03A15LCM3R3	3.3	0.08	68	1.4	1.36
AABG03A15LCM3R6	3.6	0.101	59	1.24	1.32
AABG03A15LCM3R9	3.9	0.105	47	1.2	1.2
AABG03A15LCM4R3	4.3	0.11	53	1.17	1.24
AABG03A15LCN4R7	4.7	0.123	46	1.09	1
AABG03A15LCM6R2	6.2	0.187	46	0.89	1.03
AABG03A15LCM6R8	6.8	0.193	39	0.88	0.88
AABG03A15LCM100	10	0.241	41	0.79	0.74
AABG03A15LCM120	12	0.308	32	0.7	0.72
AABG03A15LCM150	15	0.337	30	0.67	0.68
AABG04A10LCM1R0	1	0.054	116	1.95	2.06
AABG04A10LCM2R2	2.2	0.082	73	1.54	1.23
AABG04A10LCM3R3	3.3	0.097	58	1.44	1.13
AABG04A12LCNR82	0.82	0.048	150	1.7	3.64
AABG04A12LCM1R0	1	0.05	120	1.65	2.61
AABG04A12LCM1R5	1.5	0.062	90	1.5	2.16
AABG04A12LCM1R8	1.8	0.077	88	1.36	2.54
AABG04A12LCM2R2	2.2	0.077	74	1.36	1.81
AABG04A12LCM2R7	2.7	0.087	71	1.29	1.96
AABG04A12LCM3R3	3.3	0.108	60	1.15	1.72
AABG04A12LCM3R6	3.6	0.106	57	1.15	1.24
AABG04A12LCM4R3	4.3	0.135	54	1.03	1.8
AABG04A12LCM4R7	4.7	0.12	50	1.08	1.18
AABG04A12LCM5R1	5.1	0.149	50	0.98	1.25
AABG04A12LCM5R6	5.6	0.14	42	1	1
AABG04A12LCM6R8	6.8	0.19	40	0.87	0.98
AABG04A12LCM100	10	0.255	33	0.79	0.82

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AABG04A18LCNR47	0.47	0.014	155	4	4.3
AABG04A18LCNR68	0.68	0.02	128	3.3	4.9
AABG04A18LCM1R0	1	0.024	80	2.06	4.9
AABG04A18LCM1R5	1.5	0.03	65	1.8	3.35
AABG04A18LCM1R8	1.8	0.034	54	2	3
AABG04A18LCM2R2	2.2	0.043	52	2.2	3
AABG04A18LCM3R3	3.3	0.067	44	1.27	2.52
AABG04A18LCM4R7	4.7	0.087	34	1.24	2
AABG04A18LCM6R8	6.8	0.106	29	1.09	1.49
AABG04A18LCM100	10	0.173	24	0.87	1.34
AABG04A18LCM150	15	0.241	19	0.67	0.97
AABG04A18LCM220	22	0.347	16	0.61	0.82
AABG04A18LCM470	47	0.626	10	0.43	0.59
AABG04A20LCNR47	0.47	0.022	160	3.3	7
AABG04A20LCNR68	0.68	0.028	120	2.8	6.4
AABG04A20LCM1R0	1	0.027	75	2.21	5
AABG04A20LCM1R2	1.2	0.027	72	2.21	5.25
AABG04A20LCM1R5	1.5	0.035	71	2.04	4.45
AABG04A20LCM2R2	2.2	0.039	49	1.91	3.5
AABG04A20LCM3R3	3.3	0.067	44	1.44	3.3
AABG04A20LCM3R6	3.6	0.053	49	1.59	2.88
AABG04A20LCM4R7	4.7	0.072	42	1.38	2.42
AABG04A20LCM5R1	5.1	0.081	42	1.31	2.37
AABG04A20LCM5R6	5.6	0.087	30	1.26	2.27
AABG04A20LCM6R2	6.2	0.11	36	1.11	2.21
AABG04A20LCM6R8	6.8	0.125	33	1.07	2.2
AABG04A20LCM7R5	7.5	0.11	30	1.11	1.91
AABG04A20LCM8R2	8.2	0.12	27	1.07	1.8
AABG04A20LCM100	10	0.165	26	0.93	1.65
AABG04A20LCM120	12	0.168	26	0.91	1.55
AABG04A20LCM150	15	0.221	24	0.79	1.39
AABG04A20LCM220	22	0.337	15	0.64	1.08

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AABG04A26LCM1R0	1	0.023	151	3.09	3.39
AABG04A26LCM1R2	1.2	0.029	120	2.36	3.19
AABG04A26LCM1R5	1.5	0.039	100	2.36	2.47
AABG04A26LCM2R2	2.2	0.039	96	2.06	2.16
AABG04A26LCM3R3	3.3	0.048	58	1.75	1.85
AABG04A26LCM4R7	4.7	0.053	46	1.64	1.49
AABG04A26LCM6R8	6.8	0.063	33	1.54	1.33
AABG04A26LCM100	10	0.082	26	1.33	1.03
AABG04A26LCM150	15	0.107	19	1.13	0.92
AABG04A26LCM220	22	0.16	13	0.92	0.62
AABG04A26LCM330	33	0.262	9	0.72	0.56
AABG04A26LCM470	47	0.291	6	0.67	0.41
AABG04A30LCNR47	0.47	0.017	184	5.2	7.8
AABG04A30LCNR68	0.68	0.01	130	4.56	6.8
AABG04A30LCNR91	0.91	0.021	100	3.24	6.44
AABG04A30LCM1R0	1	0.018	70	4.15	5.26
AABG04A30LCM1R2	1.2	0.024	80	3.05	5.97
AABG04A30LCM1R5	1.5	0.029	62	3.01	4.99
AABG04A30LCM1R8	1.8	0.029	60	3.01	5.56
AABG04A30LCM2R2	2.2	0.033	52	2.65	4.9
AABG04A30LCM3R3	3.3	0.039	38	2.47	3.4
AABG04A30LCM3R6	3.6	0.04	37	2.4	3
AABG04A30LCM3R9	3.9	0.057	32	2.1	3
AABG04A30LCM4R3	4.3	0.053	37	2.16	3.04
AABG04A30LCM4R7	4.7	0.058	31	2.06	2.99
AABG04A30LCM5R6	5.6	0.065	30	2.01	2.45
AABG04A30LCM6R2	6.2	0.067	29	1.91	2.58
AABG04A30LCM6R8	6.8	0.087	24	1.65	2.83
AABG04A30LCM7R5	7.5	0.081	26	1.7	2.27
AABG04A30LCM8R2	8.2	0.087	26	1.65	2.16
AABG04A30LCM9R1	9.1	0.091	23	1.6	2.06
AABG04A30LCM100	10	0.1	21	1.55	2.01
AABG04A30LCM120	12	0.13	18	1.34	1.75
AABG04A30LCM150	15	0.19	16	1.14	1.7

AABG Series

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AABG04A30LCM180	18	0.193	10	1.13	1.44
AABG04A30LCM220	22	0.225	10	1.03	1.34
AABG04A30LCM330	33	0.318	10	0.84	1.13
AABG04A30LCM360	36	0.322	9.8	0.85	1.08
AABG04A30LCM390	39	0.419	10	0.75	1.06
AABG04A30LCM430	43	0.424	9.2	0.75	1.03
AABG04A30LCM470	47	0.428	8.4	0.74	0.98
AABG04A30LCM510	51	0.453	8.4	0.72	0.93
AABG04A30LCM560	56	0.534	8.4	0.67	0.88
AABG04A30LCM620	62	0.798	7	0.55	0.82
AABG04A30LCM680	68	0.836	7	0.54	0.77
AABG04A30LCM750	75	0.982	6.3	0.49	0.72
AABG04A30LCM820	82	1.021	5.6	0.48	0.68
AABG04A30LCM910	91	1.059	5.6	0.47	0.67
AABG04A30LCM101	100	1.107	5.6	0.46	0.62
AABG04A30LCM121	120	1.3	5.4	0.43	0.57
AABG04A30LCM151	150	1.8	4	0.3	0.5
AABG04A35LCNR47	0.47	0.008	176	5.2	7.8
AABG04A35LCNR68	0.68	0.01	132	4.56	6.8
AABG04A35LCM1R0	1	0.018	76	3.9	6.39
AABG04A35LCM1R2	1.2	0.021	70	3.65	6.14
AABG04A35LCM1R5	1.5	0.024	62	3.34	5.53
AABG04A35LCM1R8	1.8	0.026	52	3.2	4.6
AABG04A35LCM2R2	2.2	0.03	52	3.04	4.41
AABG04A35LCM3R3	3.3	0.044	38	2.53	3.55
AABG04A35LCM4R7	4.7	0.062	31	2.13	3.04
AABG04A35LCM6R8	6.8	0.083	24	1.92	2.53
AABG04A35LCM8R2	8.2	0.082	26	1.82	2.13
AABG04A35LCM100	10	0.106	21	1.57	2.08
AABG04A35LCM150	15	0.175	16	1.26	1.67
AABG04A35LCM220	22	0.22	10	1.11	1.32
AABG04A35LCM330	33	0.32	10	0.91	1.11
AABG04A35LCM470	47	0.45	8.4	0.76	0.96
AABG04A35LCM680	68	0.833	7	0.55	0.76

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AABG04A35LCM101	100	1.055	5.6	0.45	0.66
AABG05A12LCM1R0	1	0.055	103	2.06	4.53
AABG05A12LCM1R5	1.5	0.07	68	1.95	3.81
AABG05A12LCM2R2	2.2	0.087	50	1.75	3.19
AABG05A20LCNR47	0.47	0.013	160	4.6	6.15
AABG05A20LCNR56	0.56	0.017	137	3.8	8.5
AABG05A20LCNR68	0.68	0.017	120	4	5.5
AABG05A20LCNR75	0.75	0.017	117	4	5.5
AABG05A20LCM1R0	1	0.02	97	3.81	4.46
AABG05A20LCM1R2	1.2	0.022	83	3.55	4.5
AABG05A20LCN1R5	1.5	0.026	80	3.3	3.97
AABG05A20LCM2R2	2.2	0.033	61	2.99	3.97
AABG05A20LCM2R7	2.7	0.038	52	2.7	2.9
AABG05A20LCM3R0	3	0.038	49	2.7	2.55
AABG05A20LCM3R3	3.3	0.042	46	2.47	3.25
AABG05A20LCM3R6	3.6	0.043	43	2.5	2.8
AABG05A20LCM3R9	3.9	0.043	40	2.5	2.3
AABG05A20LCM4R3	4.3	0.057	37	2.2	2.5
AABG05A20LCM4R7	4.7	0.057	33	2.2	2.5
AABG05A20LCM5R1	5.1	0.064	32	2.05	2.25
AABG05A20LCM5R6	5.6	0.064	32	2.05	2.3
AABG05A20LCM6R8	6.8	0.084	30	1.75	1.85
AABG05A20LCM7R5	7.5	0.09	26	1.75	1.85
AABG05A20LCM8R2	8.2	0.098	26	1.65	1.85
AABG05A20LCM9R1	9.1	0.11	24	1.55	1.7
AABG05A20LCM100	10	0.106	24	1.55	1.79
AABG05A20LCM120	12	0.14	22	1.4	1.5
AABG05A20LCM150	15	0.159	20	1.29	1.48
AABG05A20LCM180	18	0.2	16	1.15	1.25
AABG05A20LCM220	22	0.226	16	1.08	1.15
AABG05A20LCM330	33	0.356	13	0.85	1
AABG05A20LCM470	47	0.505	11	0.72	0.83

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AABG05A20LCM560	56	0.63	6	0.7	0.77
AABG05A20LCM680	68	0.852	8.8	0.55	0.72
AABG05A20LCM820	82	0.89	6	0.5	0.65
AABG05A20LCM101	100	1.021	6	0.5	0.59
AABG05A40LCNR47	0.47	0.007	171	6.6	10
AABG05A40LCM1R0	1	0.012	117	4.9	7.35
AABG05A40LCM1R2	1.2	0.016	110	4.15	6.5
AABG05A40LCM1R5	1.5	0.015	60	4.58	6.3
AABG05A40LCM1R8	1.8	0.016	55	4.15	5.5
AABG05A40LCM2R2	2.2	0.019	42	4.07	4.9
AABG05A40LCM2R7	2.7	0.022	37	3.6	4.3
AABG05A40LCM3R0	3	0.022	37	3.6	4.15
AABG05A40LCM3R3	3.3	0.024	32	3.4	3.95
AABG05A40LCM3R6	3.6	0.026	30	3.3	3.8
AABG05A40LCM3R9	3.9	0.027	29	3.2	3.55
AABG05A40LCM4R7	4.7	0.03	28	3.19	3.5
AABG05A40LCM5R6	5.6	0.035	27	2.8	3
AABG05A40LCM6R8	6.8	0.041	21	2.5	2.9
AABG05A40LCM8R2	8.2	0.048	20	2.3	2.7
AABG05A40LCM100	10	0.06	18	2.16	2.35
AABG05A40LCM120	12	0.077	14	2	2.2
AABG05A40LCM150	15	0.085	13	2	2.37
AABG05A40LCM180	18	0.119	12	1.45	1.7
AABG05A40LCM220	22	0.129	9	1.5	1.6
AABG05A40LCM270	27	0.188	9.8	1.1	1.52
AABG05A40LCM330	33	0.184	7	1.2	1.3
AABG05A40LCM470	47	0.272	6	1	1.1
AABG05A40LCM510	51	0.38	6	1	1
AABG05A40LCM560	56	0.38	6	0.8	1.05
AABG05A40LCM680	68	0.4	6	0.8	0.9
AABG05A40LCM750	75	0.45	6	0.72	0.85
AABG05A40LCM101	100	0.56	5	0.7	0.75

AABG Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
AABG05A40LCM151	150	0.75	3.7	0.6	0.65
AABG05A40LCM221	220	1.8	3	0.4	0.48
AABG05A40LCM331	330	2.1	2.7	0.4	0.42
AABG05A45LCN1R5	1.5	0.017	78	5.2	7.4
AABG05A45LCM2R2	2.2	0.022	50	4.7	6.4
AABG05A45LCM3R3	3.3	0.027	36	4.2	6.4
AABG06A20LCNR50	0.5	0.012	130	4.17	5.05
AABG06A20LCNR68	0.68	0.016	120	3.91	7.73
AABG06A20LCNR82	0.82	0.016	110	3.91	6.8
AABG06A20LCM1R0	1	0.019	94	3.35	4.27
AABG06A20LCM1R2	1.2	0.021	88	3.3	6.08
AABG06A20LCM1R5	1.5	0.021	79	3.3	4.38
AABG06A20LCM1R8	1.8	0.027	68	2.83	5
AABG06A20LCM2R0	2	0.033	64	2.52	4.43
AABG06A20LCM2R2	2.2	0.027	61	2.83	3.86
AABG06A20LCM2R7	2.7	0.033	56	2.68	4.02
AABG06A20LCM3R3	3.3	0.033	51	2.68	3.24
AABG06A20LCM3R9	3.9	0.047	46	2.16	3.35
AABG06A20LCM4R3	4.3	0.047	44	2.16	2.78
AABG06A20LCM4R7	4.7	0.056	41	2.06	3.09
AABG06A20LCM5R6	5.6	0.056	36	1.96	2.47
AABG06A20LCM6R2	6.2	0.076	35	1.85	2.37
AABG06A20LCM6R8	6.8	0.076	31	1.85	2.27
AABG06A20LCM8R2	8.2	0.101	28	1.44	2.16
AABG06A20LCM100	10	0.101	27	1.44	1.8
AABG06A20LCM120	12	0.116	23	1.39	1.75
AABG06A20LCM150	15	0.139	21	1.24	1.55
AABG06A20LCM180	18	0.168	19	1.13	1.27
AABG06A20LCM220	22	0.196	16	1.03	1.29
AABG06A20LCM330	33	0.3	11	0.84	0.95
AABG06A20LCM470	47	0.43	10	0.8	0.7
AABG06A28LCNR82	0.82	0.012	97	5.2	6.5
AABG06A28LCM1R0	1	0.01	70	5.2	5.75
AABG06A28LCM1R2	1.2	0.013	69	4.58	6.4

AABG Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
AABG06A28LCM1R5	1.5	0.012	65	4.72	6.18
AABG06A28LCM2R2	2.2	0.018	56	4.21	5.25
AABG06A28LCM2R7	2.7	0.019	48	3.86	3.91
AABG06A28LCM3R3	3.3	0.024	41	3.58	3.74
AABG06A28LCM4R7	4.7	0.029	35	3.17	3.09
AABG06A28LCM5R1	5.1	0.033	33	2.98	3.66
AABG06A28LCM6R2	6.2	0.039	30	2.66	3.14
AABG06A28LCM6R8	6.8	0.045	27	2.47	2.94
AABG06A28LCM8R2	8.2	0.053	24	2.32	2.68
AABG06A28LCM9R1	9.1	0.058	24	2.21	2.63
AABG06A28LCM100	10	0.069	23	2.01	2.1
AABG06A28LCM120	12	0.077	18	1.91	1.85
AABG06A28LCM150	15	0.12	18	1.49	1.8
AABG06A28LCM180	18	0.116	15	1.49	1.57
AABG06A28LCM220	22	0.135	14	1.44	1.65
AABG06A28LCM270	27	0.149	13	1.36	1.55
AABG06A28LCM330	33	0.2	12	1.26	1.39
AABG06A28LCM360	36	0.207	11	1.16	1.29
AABG06A28LCM390	39	0.216	11	1.13	1.29
AABG06A28LCM430	43	0.226	11	1.1	1.24
AABG06A28LCM470	47	0.315	9.5	1.09	1.18
AABG06A28LCM510	51	0.255	9.5	1.04	1.08
AABG06A28LCM560	56	0.345	8.2	0.89	1.05
AABG06A28LCM620	62	0.332	7.7	0.92	0.98
AABG06A28LCM680	68	0.347	7.7	0.89	0.98
AABG06A28LCM750	75	0.395	7.7	0.83	0.93
AABG06A28LCM820	82	0.428	7.7	0.8	0.93
AABG06A28LCM910	91	0.486	7.7	0.75	0.82
AABG06A28LCM101	100	0.524	7.1	0.72	0.77
AABG06A45LCNR47	0.47	0.006	155	6.5	15
AABG06A45LCNR56	0.56	0.006	142	6.5	14
AABG06A45LCNR68	0.68	0.006	99	5.7	11
AABG06A45LCNR82	0.82	0.007	140	6.08	10.71
AABG06A45LCM1R0	1	0.01	100	5.29	10.15

AABG Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
AABG06A45LCM1R2	1.2	0.01	100	5.56	8.6
AABG06A45LCM1R3	1.3	0.01	100	5.4	8.35
AABG06A45LCM1R5	1.5	0.011	65	5.1	9.06
AABG06A45LCM1R8	1.8	0.011	74	5.1	7.83
AABG06A45LCM2R2	2.2	0.014	52	4.74	6.95
AABG06A45LCM2R3	2.3	0.02	60	3.61	6.18
AABG06A45LCM2R7	2.7	0.02	38	4.43	5.92
AABG06A45LCM3R0	3	0.019	35	3.91	5.77
AABG06A45LCM3R3	3.3	0.02	32	3.81	6.08
AABG06A45LCM3R6	3.6	0.02	28	3.81	5.41
AABG06A45LCM4R3	4.3	0.021	23	3.61	4.58
AABG06A45LCM4R5	4.5	0.026	24	3.3	4.97
AABG06A45LCM4R7	4.7	0.024	24	3.4	5.12
AABG06A45LCM5R1	5.1	0.024	23	3.4	4.53
AABG06A45LCM5R6	5.6	0.027	23	3.24	4.27
AABG06A45LCM6R2	6.2	0.03	26	3.09	4.56
AABG06A45LCM6R3	6.3	0.031	26	3	4.43
AABG06A45LCM6R8	6.8	0.03	20	3.09	4.02
AABG06A45LCM7R5	7.5	0.033	18	2.99	3.61
AABG06A45LCM8R2	8.2	0.041	21	2.68	4.02
AABG06A45LCM9R1	9.1	0.041	17	2.68	3.45
AABG06A45LCM100	10	0.046	15	2.52	3.3
AABG06A45LCM120	12	0.056	13	2.27	2.88
AABG06A45LCM150	15	0.065	12	2.11	2.58
AABG06A45LCM180	18	0.078	10	1.91	2.27
AABG06A45LCM220	22	0.11	10	1.85	2.11
AABG06A45LCM270	27	0.098	9.2	1.7	1.96
AABG06A45LCM300	30	0.127	7.8	1.55	1.75
AABG06A45LCM330	33	0.137	7.8	1.49	1.7
AABG06A45LCM360	36	0.166	7.8	1.44	1.67
AABG06A45LCM390	39	0.173	7.8	1.29	1.55
AABG06A45LCM430	43	0.193	7.7	1.24	1.68
AABG06A45LCM470	47	0.193	6.4	1.24	1.44
AABG06A45LCM510	51	0.199	6.4	1.18	1.39

AABG Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
AABG06A45LCM560	56	0.25	6.4	1.13	1.34
AABG06A45LCM620	62	0.226	6.4	1.13	1.29
AABG06A45LCM680	68	0.278	6.4	1.03	1.24
AABG06A45LCM750	75	0.293	5	0.98	1.18
AABG06A45LCM820	82	0.328	4.9	0.93	1.08
AABG06A45LCM910	91	0.345	4.9	0.88	1.03
AABG06A45LCM101	100	0.416	4.2	0.82	0.98
AABG06A45LCM121	120	0.466	4.2	0.79	0.88
AABG06A45LCM151	150	0.559	4.2	0.72	0.82
AABG06A45LCM221	220	0.803	3.5	0.61	0.72
AABG06A45LCM331	330	1.27	2.8	0.59	0.59
AABG06A45LCM471	470	2.6	2.1	0.2	0.2
AABG06A55LCM3R3	3.3	0.019	32	3.99	6.07
AABG06A55LCM4R7	4.7	0.024	24	3.63	4.95
AABG06A55LCM6R8	6.8	0.026	20	3.53	3.94
AABG06A55LCM8R2	8.2	0.037	21	2.93	3.93
AABG06A55LCM100	10	0.041	15	2.73	3.34
AABG06A55LCM150	15	0.056	12	2.37	2.56
AABG06A55LCM220	22	0.076	10	2.03	2.27
AABG06A55LCM330	33	0.13	7.8	1.56	1.66
AABG06A55LCM470	47	0.193	6.4	1.26	1.62
AABG06A55LCM680	68	0.271	6.4	1.02	1.26
AABG06A55LCM101	100	0.333	4.2	0.96	1.06
AABG06A55LCM151	150	0.527	4.2	0.76	0.92
AABG06A55LCM221	220	0.796	3.5	0.61	0.71
AABG06A55LCM331	330	1.232	2.8	0.5	0.57
AABG08A40LCNR82	0.82	0.007	94	6.49	14.21
AABG08A40LCM1R0	1	0.007	89	6.49	10.15
AABG08A40LCM1R2	1.2	0.01	59	5.65	10
AABG08A40LCM1R5	1.5	0.01	67	5.82	8.39
AABG08A40LCM2R0	2	0.011	43	5.3	9.53
AABG08A40LCM2R2	2.2	0.011	41	5.3	7.31
AABG08A40LCM3R0	3	0.013	32	4.84	6.28
AABG08A40LCM3R3	3.3	0.016	27	4.53	6.7

AABG Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
AABG08A40LCM3R6	3.6	0.016	30	4.48	7.75
AABG08A40LCM3R9	3.9	0.016	26	4.48	5.92
AABG08A40LCM4R7	4.7	0.018	24	4.22	6.08
AABG08A40LCM5R1	5.1	0.018	22	4.17	4.84
AABG08A40LCM5R6	5.6	0.02	24	3.97	6.18
AABG08A40LCM6R2	6.2	0.02	20	3.97	4.58
AABG08A40LCM6R8	6.8	0.023	20	3.71	4.69
AABG08A40LCM8R2	8.2	0.024	17	3.55	4.33
AABG08A40LCM100	10	0.0285	15	3.3	3.71
AABG08A40LCM120	12	0.041	13	2.8	3.5
AABG08A40LCM150	15	0.045	12	2.68	3.04
AABG08A40LCM180	18	0.05	11	2.47	2.78
AABG08A40LCM220	22	0.066	9.5	2.16	2.47
AABG08A40LCM270	27	0.075	9.2	2.06	2.21
AABG08A40LCM330	33	0.097	7.8	1.85	2.11
AABG08A40LCM360	36	0.098	7.8	1.8	2.06
AABG08A40LCM390	39	0.103	7.8	1.75	2.01
AABG08A40LCM430	43	0.108	7.8	1.7	1.96
AABG08A40LCM470	47	0.13	6.4	1.6	1.8
AABG08A40LCM510	51	0.136	6.4	1.55	1.75
AABG08A40LCM560	56	0.148	6.4	1.49	1.6
AABG08A40LCM620	62	0.175	6.4	1.34	1.55
AABG08A40LCM680	68	0.188	4.9	1.29	1.49
AABG08A40LCM750	75	0.203	4.9	1.24	1.39
AABG08A40LCM820	82	0.225	5.9	1.18	1.34
AABG08A40LCM910	91	0.261	4.9	1.08	1.24
AABG08A40LCM101	100	0.279	4.2	1.03	1.18
AABG08A40LCM121	120	0.321	3.5	0.98	1.08
AABG08A40LCM151	150	0.41	3.5	0.88	1.13
AABG08A40LCM181	180	0.52	3.5	0.83	0.95
AABG08A40LCM221	220	0.576	3.5	0.82	0.88
AABG08A40LCM331	330	0.856	2.8	0.64	0.7
AABG08A40LCM471	470	1.5	2.1	0.54	0.6
AABG08A40LCM561	560	2	1.6	0.3	0.3

AABG Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$	Self-resonant Frequency (MHz) Min.	Heat Rating Current Irms (A) Max.	Saturation Current Isat (A) Max.
AABG08A40LCM681	680	2.2	1.2	0.25	0.25
AABG08A40LCM821	820	3	0.8	0.2	0.2
AABG08A40LCM102	1000	4	0.5	0.15	0.15
AABG08A65LCMR68	0.68	0.006	100	7.65	24.5
AABG08A65LCM1R0	1	0.008	96	7.13	20.3
AABG08A65LCM2R2	2.2	0.012	45	4.56	12.2
AABG08A65LCM3R3	3.3	0.013	27	5.25	9.78
AABG08A65LCM4R7	4.7	0.016	18	4.84	8.75
AABG08A65LCM5R6	5.6	0.02	17	4.63	8.24
AABG08A65LCM6R8	6.8	0.02	16	4.63	7.72
AABG08A65LCM8R2	8.2	0.023	15	4.32	7.21
AABG08A65LCM100	10	0.033	13	3.26	8.15
AABG08A65LCM150	15	0.04	10	3.35	5.8
AABG08A65LCM220	22	0.055	8	2.76	4.42
AABG08A65LCM470	47	0.11	7	1.88	3.46
AABG08A65LCM560	56	0.15	6	1.38	3.25
AABG08A65LCM680	68	0.16	5	1.57	2.4
AABG08A65LCM101	100	0.21	3.1	1.37	2.03
AABG08A65LCM151	150	0.33	2.5	0.97	1.63
AABG08A65LCM221	220	0.49	2	0.81	1.22
AABG08A65LCM331	330	0.64	1.7	0.77	1.03
AABG08A65LCM431	430	0.9	1.5	0.62	0.97
AABG08A65LCM471	470	1.15	1.4	0.56	1.02
AABG08A65LCM681	680	1.48	1	0.52	0.87
AABG08A65LCM102	1000	2.15	1.1	0.41	0.66
AABG08A65LCM152	1500	3.34	0.7	0.33	0.55
AABG08A65LCM222	2200	4.6	0.7	0.27	0.46
AABG08A65LCM332	3300	6.7	0.7	0.24	0.36