

ABG 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.
- Halogen Free.
- RoHS compliance.

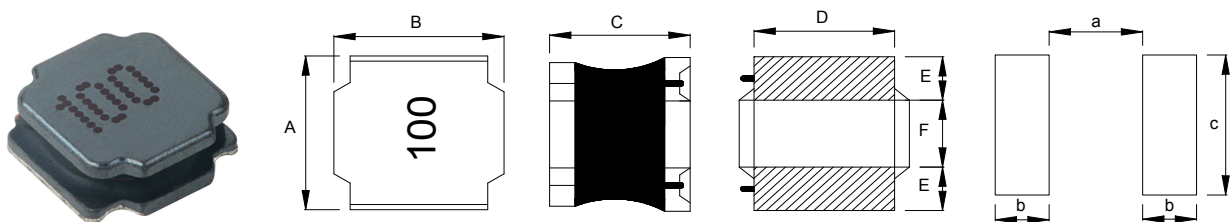
Applications

- LED Lighting.
- Next-generation mobile devices with multifunction such as adding color TV and digital movie cameras.
- Flat-screen TVs,blue-ray disc recorders set top box.
- Notebooks,desktop computers,servers,graphic cards.
- Portable gaming devices,personal navigation systems,personal multimedia devices.

Test Equipment and Conditions

- Inductance is measured with IM3536 LCR meter or equivalent.
- Operating temperature range -40°C to $+125^{\circ}\text{C}$.(Including self - temperature rise).
- DC current(I_{rms})that will cause an approximate ΔT of 40°C .
- DC current(I_{sat})that will cause L_0 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
ABG03A10	3.0±0.2	3.0±0.2	1.1	2.5	0.9	1.2	0.9	1.2	2.8	2000
ABG03A12	3.0±0.2	3.0±0.2	1.25	2.9	0.9	1.2	0.9	1.2	3.1	2000
ABG03A15	3.0±0.2	3.0±0.2	1.7	2.55	0.9	1.2	0.9	1.2	3.1	2000
ABG04A10	4.0±0.2	4.0±0.2	1.1	3.5	1.2	1.6	1.2	1.5	3.8	4500
ABG04A12	4.0±0.2	4.0±0.2	1.3	3.5	1.2	1.6	1.3	1.5	3.8	4500
ABG04A18	4.0±0.2	4.0±0.2	1.8	3.5	1.2	1.6	1.2	1.5	3.8	3000
ABG04A20	4.0±0.2	4.0±0.2	2	3.5	1.2	1.6	1.2	1.5	3.8	3000
ABG04A26	4.0±0.2	4.0±0.2	2.6	3.5	1.2	1.6	1.2	1.5	3.8	3000
ABG04A30	4.0±0.2	4.0±0.2	3	3.5	1.35	1.3	1	1.65	3.8	2000
ABG04A35	4.0±0.2	4.0±0.2	3.5	3.3	0.95	2.1	1.9	1.1	3.7	2000
ABG05A12	5.0±0.2	5.0±0.2	1.3	4.0	1.5	2	1.7	1.8	4.3	4500
ABG05A20	5.0±0.2	5.0±0.2	2	4.0	1.35	2.3	2	1.65	4.3	2500

TYPE	A	B	C Max	D typ	E typ	F typ	a typ	b typ	c typ	Q'TY/Reel
ABG05A40	5.0±0.2	5.0±0.2	4.0	4	1.5	2	1.7	1.8	4.3	1500
ABG05A45	5.0±0.2	5.0±0.2	4.5	4	1.5	2	1.7	1.8	4.3	1500
ABG06A10	6.0±0.3	6.0±0.3	1.1	4.9	1.65	2.7	2.4	1.95	5.2	2500
ABG06A12	6.0±0.3	6.0±0.3	1.3	4.9	1.65	2.7	2.4	1.95	5.2	2500
ABG06A20	6.0±0.3	6.0±0.3	2.0	4.9	1.65	2.7	2.4	1.95	5.2	2500
ABG06A28	6.0±0.3	6.0±0.3	2.8	4.9	1.65	2.7	2.4	1.95	5.2	2000
ABG06A40	6.0±0.3	6.0±0.3	4.0	4.9	1.65	2.7	2.4	1.95	5.2	2000
ABG06A45	6.0±0.3	6.0±0.3	4.7	4.9	1.65	2.7	2.4	1.95	5.2	1500
ABG06A55	6.0±0.3	6.0±0.3	5.7	4.9	1.65	2.7	2.4	1.95	5.2	1000
ABG08A40	8.0±0.3	8.0±0.3	4.2	6.3	2.45	3.1	2.8	2.75	6.6	1000
ABG08A60	8.0±0.3	8.0±0.3	6.0	6.3	2.45	3.1	2.8	2.75	6.6	700
ABG08A65	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

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

ABG 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.
ABG03A10LCM1R0	1	0.063	180	1.49	1.44
ABG03A10LCM1R2	1.2	0.065	137	1.45	1.25
ABG03A10LCM1R5	1.5	0.077	120	1.34	1.31
ABG03A10LCM2R2	2.2	0.106	100	1.12	1.18
ABG03A10LCM2R7	2.7	0.125	90	1.05	1.03
ABG03A10LCM3R3	3.3	0.139	74	0.99	1
ABG03A10LCM3R6	3.6	0.159	67	0.93	0.98
ABG03A10LCM4R7	4.7	0.216	59	0.79	0.77
ABG03A10LCM5R6	5.6	0.248	40	0.7	0.58
ABG03A10LCM6R8	6.8	0.293	42	0.68	0.57
ABG03A10LCM8R2	8.2	0.4	23	0.58	0.55
ABG03A10LCM100	10	0.385	39	0.6	0.57
ABG03A10LCM120	12	0.486	36	0.54	0.44
ABG03A10LCM150	15	0.587	30	0.48	0.43
ABG03A10LCM220	22	0.896	28	0.39	0.36

ABG 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.
ABG03A10LCM270	27	1.04	25	0.36	0.31
ABG03A10LCM330	33	1.493	18	0.31	0.3
ABG03A10LCM390	39	1.685	18	0.29	0.29
ABG03A10LCM430	43	1.733	18	0.28	0.24
ABG03A10LCM470	47	1.878	18	0.27	0.23
ABG03A10LCM510	51	2.119	18	0.26	0.22
ABG03A10LCM560	56	2.234	16	0.25	0.22
ABG03A12LCNR82	0.82	0.029	180	2.54	2.11
ABG03A12LCM1R0	1	0.039	120	2.27	1.93
ABG03A12LCM1R2	1.2	0.043	120	2.07	2.29
ABG03A12LCM1R5	1.5	0.043	110	2.07	1.67
ABG03A12LCM1R8	1.8	0.053	90	1.9	1.56
ABG03A12LCM2R2	2.2	0.072	84	1.6	1.24
ABG03A12LCM2R4	2.4	0.065	80	1.55	1.18
ABG03A12LCM2R7	2.7	0.081	65	1.52	1.17
ABG03A12LCM3R3	3.3	0.096	64	1.4	1.08
ABG03A12LCM3R6	3.6	0.1	36	1.36	1.05
ABG03A12LCM3R9	3.9	0.145	61	1.24	1
ABG03A12LCM4R7	4.7	0.116	61	1.24	0.93
ABG03A12LCM6R8	6.8	0.183	61	1.01	0.77
ABG03A12LCM100	10	0.255	42	0.85	0.62
ABG03A12LCM120	12	0.332	32	0.75	0.49
ABG03A12LCM150	15	0.347	27	0.73	0.46
ABG03A12LCM180	18	0.524	25	0.6	0.44
ABG03A12LCM220	22	0.621	23	0.55	0.43
ABG03A12LCM270	27	0.741	21	0.5	0.41
ABG03A12LCM330	33	0.842	18	0.47	0.37
ABG03A12LCM360	36	0.915	18	0.45	0.35
ABG03A12LCM390	39	1.281	18	0.38	0.31
ABG03A12LCM470	47	1.329	14	0.37	0.28
ABG03A12LCM560	56	1.329	14	0.37	0.27
ABG03A12LCM620	62	1.473	12	0.36	0.26
ABG03A12LCM680	68	1.608	12	0.34	0.25
ABG03A12LCM820	82	2.446	12	0.28	0.23

ABG 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.
ABG03A12LCM101	100	2.754	12	0.26	0.22
ABG03A15LCNR50	0.5	0.03	162	2.6	3.9
ABG03A15LCNR68	0.68	0.035	152	2.65	2.65
ABG03A15LCN1R0	1	0.036	150	2.35	2.37
ABG03A15LCN1R2	1.2	0.039	110	2.01	2.28
ABG03A15LCM1R5	1.5	0.048	100	1.75	2.37
ABG03A15LCN1R8	1.8	0.048	92	1.75	1.8
ABG03A15LCN2R2	2.2	0.069	86	1.65	1.65
ABG03A15LCM2R7	2.7	0.072	64	1.47	1.57
ABG03A15LCM3R3	3.3	0.08	68	1.4	1.36
ABG03A15LCM3R6	3.6	0.101	59	1.24	1.32
ABG03A15LCM3R9	3.9	0.105	47	1.2	1.2
ABG03A15LCM4R3	4.3	0.11	53	1.17	1.24
ABG03A15LCN4R7	4.7	0.123	46	1.09	1.1
ABG03A15LCM6R2	6.2	0.187	46	0.89	1.03
ABG03A15LCM6R8	6.8	0.193	39	0.88	0.88
ABG03A15LCM100	10	0.241	41	0.79	0.74
ABG03A15LCM120	12	0.308	32	0.7	0.72
ABG03A15LCM150	15	0.337	30	0.67	0.68
ABG03A15LCM180	18	0.414	23	0.61	0.58
ABG03A15LCM220	22	0.443	23	0.57	0.52
ABG03A15LCM270	27	0.73	22	0.45	0.48
ABG03A15LCM330	33	0.79	20	0.44	0.45
ABG03A15LCM390	39	0.958	14	0.4	0.42
ABG03A15LCM430	43	1.021	16	0.38	0.38
ABG03A15LCM470	47	1.23	14	0.36	0.36
ABG03A15LCM560	56	1.233	13	0.35	0.34
ABG03A15LCM620	62	1.377	13	0.33	0.34
ABG03A15LCM680	68	1.75	11	0.24	0.29
ABG03A15LCM101	100	3.11	7.2	0.21	0.23
ABG03A15LCM151	150	3.8	4.5	0.19	0.18
ABG04A10LCM1R0	1	0.054	116	1.95	2.06
ABG04A10LCM1R5	1.5	0.068	94	1.75	1.73
ABG04A10LCM2R2	2.2	0.082	73	1.54	1.23

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ABG04A10LCM3R3	3.3	0.097	58	1.44	1.13
ABG04A10LCM4R7	4.7	0.136	47	1.23	0.97
ABG04A10LCM6R8	6.8	0.194	38	1.03	0.82
ABG04A10LCM100	10	0.291	31	0.77	0.63
ABG04A10LCM150	15	0.417	24	0.61	0.55
ABG04A10LCM220	22	0.553	19	0.51	0.46
ABG04A12LCNR82	0.82	0.048	150	1.7	3.64
ABG04A12LCM1R0	1	0.05	120	1.65	2.61
ABG04A12LCM1R5	1.5	0.062	90	1.5	2.16
ABG04A12LCM1R8	1.8	0.077	88	1.36	2.54
ABG04A12LCM2R2	2.2	0.077	74	1.36	1.81
ABG04A12LCM2R7	2.7	0.087	71	1.29	1.96
ABG04A12LCM3R3	3.3	0.108	60	1.15	1.72
ABG04A12LCM3R6	3.6	0.106	57	1.15	1.24
ABG04A12LCM4R3	4.3	0.135	54	1.03	1.8
ABG04A12LCM4R7	4.7	0.12	50	1.08	1.18
ABG04A12LCM5R1	5.1	0.149	50	0.98	1.25
ABG04A12LCM5R6	5.6	0.14	42	1	1
ABG04A12LCM6R8	6.8	0.19	40	0.87	0.98
ABG04A12LCM100	10	0.255	33	0.79	0.82
ABG04A12LCM120	12	0.279	32	0.72	0.68
ABG04A12LCM150	15	0.327	25	0.66	0.58
ABG04A12LCM180	18	0.453	23	0.57	0.57
ABG04A12LCM220	22	0.453	20	0.57	0.56
ABG04A12LCM270	27	0.693	18	0.46	0.52
ABG04A12LCM330	33	0.78	17	0.43	0.43
ABG04A12LCM360	36	0.867	14	0.41	0.41
ABG04A12LCM390	39	1.059	16	0.38	0.57
ABG04A12LCM470	47	1.059	12	0.38	0.36
ABG04A12LCM560	56	1.204	11	0.34	0.34
ABG04A12LCM680	68	1.406	11	0.32	0.31
ABG04A12LCM820	82	2.061	11	0.27	0.29
ABG04A12LCM101	100	2.128	9.4	0.26	0.26
ABG04A18LCNR47	0.47	0.014	155	4	4.3

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ABG04A18LCNR68	0.68	0.02	128	3.3	4.9
ABG04A18LCM1R0	1	0.024	80	2.06	4.9
ABG04A18LCM1R5	1.5	0.03	65	1.8	3.35
ABG04A18LCM1R8	1.8	0.034	54	2	3
ABG04A18LCM2R2	2.2	0.043	52	2.2	3
ABG04A18LCM3R3	3.3	0.067	44	1.27	2.52
ABG04A18LCM4R7	4.7	0.087	34	1.24	2
ABG04A18LCM6R8	6.8	0.11	29	1.09	1.49
ABG04A18LCM100	10	0.173	24	0.87	1.34
ABG04A18LCM150	15	0.241	19	0.67	0.97
ABG04A18LCM220	22	0.347	16	0.61	0.82
ABG04A18LCM330	33	0.51	12	0.5	0.67
ABG04A18LCM470	47	0.626	10	0.43	0.59
ABG04A18LCM680	68	0.963	8.3	0.33	0.48
ABG04A18LCM101	100	1.685	6.5	0.26	0.41
ABG04A18LCM151	150	2.407	5.5	0.23	0.32
ABG04A18LCM221	220	3.852	4	0.18	0.28
ABG04A20LCNR47	0.47	0.022	160	3.3	7
ABG04A20LCNR68	0.68	0.028	120	2.8	6.4
ABG04A20LCM1R0	1	0.027	75	2.21	5
ABG04A20LCM1R2	1.2	0.027	72	2.21	5.25
ABG04A20LCM1R5	1.5	0.035	71	2.04	4.45
ABG04A20LCM2R2	2.2	0.039	49	1.91	3.5
ABG04A20LCM3R3	3.3	0.067	44	1.44	3.3
ABG04A20LCM3R6	3.6	0.053	49	1.59	2.88
ABG04A20LCM4R7	4.7	0.072	42	1.38	2.42
ABG04A20LCM5R1	5.1	0.081	42	1.31	2.37
ABG04A20LCM5R6	5.6	0.087	30	1.26	2.27
ABG04A20LCM6R2	6.2	0.11	36	1.11	2.21
ABG04A20LCM6R8	6.8	0.125	33	1.07	2.2
ABG04A20LCM7R5	7.5	0.11	30	1.11	1.91
ABG04A20LCM8R2	8.2	0.12	27	1.07	1.8
ABG04A20LCM100	10	0.165	26	0.93	1.65
ABG04A20LCM120	12	0.168	26	0.91	1.55

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ABG04A20LCM150	15	0.221	24	0.79	1.39
ABG04A20LCM220	22	0.337	15	0.64	1.08
ABG04A20LCM270	27	0.524	14	0.52	1.05
ABG04A20LCM330	33	0.53	11	0.5	0.88
ABG04A20LCM390	39	0.626	11	0.47	0.84
ABG04A20LCM430	43	0.636	10	0.46	0.79
ABG04A20LCM470	47	0.684	10	0.45	0.76
ABG04A20LCM510	51	0.722	10	0.43	0.72
ABG04A20LCM560	56	0.77	10	0.42	0.68
ABG04A20LCM620	62	0.867	9.6	0.4	0.67
ABG04A20LCM680	68	1.06	7.7	0.36	0.61
ABG04A20LCM750	75	1.16	7.7	0.35	0.7
ABG04A20LCM820	82	1.17	7.2	0.34	0.5
ABG04A20LCM101	100	1.55	6.3	0.31	0.48
ABG04A26LCM1R0	1	0.023	151	3.09	3.39
ABG04A26LCM1R2	1.2	0.029	120	2.36	3.19
ABG04A26LCM1R5	1.5	0.039	100	2.36	2.47
ABG04A26LCM2R2	2.2	0.039	96	2.06	2.16
ABG04A26LCM3R3	3.3	0.048	58	1.75	1.85
ABG04A26LCM4R7	4.7	0.053	46	1.64	1.49
ABG04A26LCM6R8	6.8	0.063	33	1.54	1.33
ABG04A26LCM100	10	0.082	26	1.33	1.03
ABG04A26LCM150	15	0.107	19	1.13	0.92
ABG04A26LCM220	22	0.16	13	0.92	0.62
ABG04A26LCM330	33	0.262	9	0.72	0.56
ABG04A26LCM470	47	0.291	6	0.67	0.41
ABG04A30LCNR47	0.47	0.017	184	5.2	7.8
ABG04A30LCNR68	0.68	0.01	130	4.56	6.8
ABG04A30LCNR91	0.91	0.021	100	3.24	6.44
ABG04A30LCM1R0	1	0.018	70	4.15	5.26
ABG04A30LCM1R2	1.2	0.024	80	3.05	5.97
ABG04A30LCM1R5	1.5	0.029	62	3.01	4.99
ABG04A30LCM1R8	1.8	0.029	60	3.01	5.56
ABG04A30LCM2R2	2.2	0.033	52	2.65	4.9

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ABG04A30LCM3R3	3.3	0.039	38	2.47	3.4
ABG04A30LCM3R6	3.6	0.04	37	2.4	3
ABG04A30LCM3R9	3.9	0.057	32	2.1	3
ABG04A30LCM4R3	4.3	0.053	37	2.16	3.04
ABG04A30LCM4R7	4.7	0.058	31	2.06	2.99
ABG04A30LCM5R6	5.6	0.065	30	2.01	2.45
ABG04A30LCM6R2	6.2	0.067	29	1.91	2.58
ABG04A30LCM6R8	6.8	0.087	24	1.65	2.83
ABG04A30LCM7R5	7.5	0.081	26	1.7	2.27
ABG04A30LCM8R2	8.2	0.087	26	1.65	2.16
ABG04A30LCM9R1	9.1	0.091	23	1.6	2.06
ABG04A30LCM100	10	0.1	21	1.55	2.01
ABG04A30LCM120	12	0.13	18	1.34	1.75
ABG04A30LCM150	15	0.19	16	1.14	1.7
ABG04A30LCM180	18	0.193	10	1.13	1.44
ABG04A30LCM220	22	0.225	10	1.03	1.34
ABG04A30LCM330	33	0.318	10	0.84	1.13
ABG04A30LCM360	36	0.322	9.8	0.85	1.08
ABG04A30LCM390	39	0.419	10	0.75	1.06
ABG04A30LCM430	43	0.424	9.2	0.75	1.03
ABG04A30LCM470	47	0.428	8.4	0.74	0.98
ABG04A30LCM510	51	0.453	8.4	0.72	0.93
ABG04A30LCM560	56	0.534	8.4	0.67	0.88
ABG04A30LCM620	62	0.798	7	0.55	0.82
ABG04A30LCM680	68	0.836	7	0.54	0.77
ABG04A30LCM750	75	0.982	6.3	0.49	0.72
ABG04A30LCM820	82	1.021	5.6	0.48	0.68
ABG04A30LCM910	91	1.059	5.6	0.47	0.67
ABG04A30LCM101	100	1.107	5.6	0.46	0.62
ABG04A30LCM121	120	1.3	5.4	0.43	0.57
ABG04A30LCM151	150	1.8	4	0.3	0.5
ABG04A30LCM471	470	7.2	2	0.2	0.3
ABG04A30LCM501	500	6.944	2	0.15	0.28
ABG04A30LCM681	680	9.24	1.2	0.14	0.19

ABG 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.
ABG04A35LCNR47	0.47	0.008	176	5.2	7.8
ABG04A35LCNR68	0.68	0.01	132	4.56	6.8
ABG04A35LCM1R0	1	0.018	76	3.9	6.39
ABG04A35LCM1R2	1.2	0.021	70	3.65	6.14
ABG04A35LCM1R5	1.5	0.024	62	3.34	5.53
ABG04A35LCM1R8	1.8	0.026	52	3.2	4.6
ABG04A35LCM2R2	2.2	0.03	52	3.04	4.41
ABG04A35LCM3R3	3.3	0.044	38	2.53	3.55
ABG04A35LCM4R7	4.7	0.062	31	2.13	3.04
ABG04A35LCM6R8	6.8	0.083	24	1.92	2.53
ABG04A35LCM8R2	8.2	0.082	26	1.82	2.13
ABG04A35LCM100	10	0.106	21	1.57	2.08
ABG04A35LCM150	15	0.175	16	1.26	1.67
ABG04A35LCM220	22	0.22	10	1.11	1.32
ABG04A35LCM330	33	0.32	10	0.91	1.11
ABG04A35LCM470	47	0.45	8.4	0.76	0.96
ABG04A35LCM680	68	0.833	7	0.55	0.76
ABG04A35LCM101	100	1.055	5.6	0.45	0.66
ABG04A35LCM151	150	1.74	4	0.35	0.55
ABG05A12LCM1R0	1	0.055	103	2.06	4.53
ABG05A12LCM1R5	1.5	0.07	68	1.95	3.81
ABG05A12LCM2R2	2.2	0.087	50	1.75	3.19
ABG05A12LCM3R3	3.3	0.122	34	1.44	2.47
ABG05A12LCM4R7	4.7	0.159	31	1.33	2.26
ABG05A12LCM6R8	6.8	0.238	22	1.03	1.75
ABG05A12LCM100	10	0.333	17	0.87	1.44
ABG05A12LCM150	15	0.422	13	0.82	1.23
ABG05A12LCM220	22	0.757	16	0.61	0.9
ABG05A20LCNR47	0.47	0.013	160	4.6	6.15
ABG05A20LCNR56	0.56	0.017	137	3.8	8.5
ABG05A20LCNR68	0.68	0.017	120	4	5.5
ABG05A20LCNR75	0.75	0.017	117	4	5.5
ABG05A20LCM1R0	1	0.02	97	3.81	4.46
ABG05A20LCM1R2	1.2	0.022	83	3.55	4.5

ABG 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.
ABG05A20LCN1R5	1.5	0.026	80	3.3	3.97
ABG05A20LCM2R2	2.2	0.033	61	2.99	3.97
ABG05A20LCM2R7	2.7	0.038	52	2.7	2.9
ABG05A20LCM3R0	3	0.038	49	2.7	2.55
ABG05A20LCM3R3	3.3	0.042	46	2.47	3.25
ABG05A20LCM3R6	3.6	0.043	43	2.5	2.8
ABG05A20LCM3R9	3.9	0.043	40	2.5	2.3
ABG05A20LCM4R3	4.3	0.057	37	2.2	2.5
ABG05A20LCM4R7	4.7	0.057	33	2.2	2.5
ABG05A20LCM5R1	5.1	0.064	32	2.05	2.25
ABG05A20LCM5R6	5.6	0.064	32	2.05	2.3
ABG05A20LCM6R8	6.8	0.084	30	1.75	1.85
ABG05A20LCM7R5	7.5	0.09	26	1.75	1.85
ABG05A20LCM8R2	8.2	0.098	26	1.65	1.85
ABG05A20LCM9R1	9.1	0.11	24	1.55	1.7
ABG05A20LCM100	10	0.106	24	1.55	1.79
ABG05A20LCM120	12	0.14	22	1.4	1.5
ABG05A20LCM150	15	0.159	20	1.29	1.48
ABG05A20LCM180	18	0.2	16	1.15	1.25
ABG05A20LCM220	22	0.226	16	1.08	1.15
ABG05A20LCM330	33	0.356	13	0.85	1
ABG05A20LCM470	47	0.505	11	0.72	0.83
ABG05A20LCM560	56	0.63	6	0.7	0.77
ABG05A20LCM680	68	0.852	8.8	0.55	0.72
ABG05A20LCM820	82	0.89	6	0.5	0.65
ABG05A20LCM101	100	1.021	6	0.5	0.59
ABG05A20LCM121	120	1.35	6	0.4	0.42
ABG05A20LCM201	200	2	4.5	0.4	0.3
ABG05A40LCNR47	0.47	0.007	171	6.6	10
ABG05A40LCM1R0	1	0.012	117	4.9	7.35
ABG05A40LCM1R2	1.2	0.016	110	4.15	6.5
ABG05A40LCM1R5	1.5	0.015	60	4.58	6.3
ABG05A40LCM1R8	1.8	0.016	55	4.15	5.5
ABG05A40LCM2R2	2.2	0.019	42	4.07	4.9

ABG 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.
ABG05A40LCM2R7	2.7	0.022	37	3.6	4.3
ABG05A40LCM3R0	3	0.022	37	3.6	4.15
ABG05A40LCM3R3	3.3	0.024	32	3.4	3.95
ABG05A40LCM3R6	3.6	0.026	30	3.3	3.8
ABG05A40LCM3R9	3.9	0.027	29	3.2	3.55
ABG05A40LCM4R7	4.7	0.03	28	3.19	3.5
ABG05A40LCM5R6	5.6	0.035	27	2.8	3
ABG05A40LCM6R8	6.8	0.041	21	2.5	2.9
ABG05A40LCM8R2	8.2	0.048	20	2.3	2.7
ABG05A40LCM100	10	0.06	18	2.16	2.35
ABG05A40LCM120	12	0.077	14	2	2.2
ABG05A40LCM150	15	0.085	13	2	2.37
ABG05A40LCM180	18	0.119	12	1.45	1.7
ABG05A40LCM220	22	0.129	9	1.5	1.6
ABG05A40LCM270	27	0.188	9.8	1.1	1.52
ABG05A40LCM330	33	0.184	7	1.2	1.3
ABG05A40LCM470	47	0.272	6	1	1.1
ABG05A40LCM510	51	0.38	6	1	1
ABG05A40LCM560	56	0.38	6	0.8	1.05
ABG05A40LCM680	68	0.4	6	0.8	0.9
ABG05A40LCM750	75	0.45	6	0.72	0.85
ABG05A40LCM101	100	0.56	5	0.7	0.75
ABG05A40LCM151	150	0.75	3.7	0.6	0.65
ABG05A40LCM221	220	1.8	3	0.4	0.48
ABG05A40LCM301	300	2	2.7	0.35	0.5
ABG05A40LCM331	330	2.1	2.7	0.4	0.42
ABG05A40LCM471	470	3	2.7	0.35	0.37
ABG05A40LCM561	560	3.78	1.52	0.31	0.31
ABG05A40LCM681	680	3.9	1.6	0.25	0.3
ABG05A45LCN1R5	1.5	0.017	78	5.2	7.4
ABG05A45LCM2R2	2.2	0.022	50	4.7	6.4
ABG05A45LCM3R3	3.3	0.027	36	4.2	6.4
ABG05A45LCM100	10	0.061	17	2.5	3.2
ABG05A45LCM220	22	0.125	10	1.55	2

ABG 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.
ABG06A10LCM1R5	1.5	0.087	91	1.95	2.47
ABG06A10LCM2R2	2.2	0.107	64	1.75	1.95
ABG06A10LCM3R3	3.3	0.131	51	1.54	1.64
ABG06A10LCM4R7	4.7	0.16	42	1.44	1.33
ABG06A10LCM6R8	6.8	0.213	30	1.23	1.23
ABG06A10LCM100	10	0.261	25	1.13	1.03
ABG06A10LCM220	22	0.563	12	0.72	0.66
ABG06A12LCN1R0	1	0.054	80	2.36	3.62
ABG06A12LCN1R5	1.5	0.073	65	2.06	2.81
ABG06A12LCN2R5	2.5	0.087	45	1.85	2.16
ABG06A12LCN3R3	3.3	0.102	42	1.75	1.85
ABG06A12LCN4R7	4.7	0.121	36	1.59	1.64
ABG06A12LCN5R3	5.3	0.121	34	1.59	1.54
ABG06A12LCN6R8	6.8	0.16	30	1.39	1.33
ABG06A12LCM100	10	0.194	22	1.23	1.03
ABG06A12LCM150	15	0.286	18	0.82	0.82
ABG06A12LCM220	22	0.451	12	0.66	0.78
ABG06A12LCM330	33	0.563	8	0.56	0.6
ABG06A12LCM470	47	0.786	6	0.47	0.53
ABG06A12LCM680	68	1.125	3	0.42	0.45
ABG06A12LCM101	100	1.62	1	0.33	0.36
ABG06A20LCNR50	0.5	0.012	130	4.17	5.05
ABG06A20LCNR68	0.68	0.016	120	3.91	7.73
ABG06A20LCNR82	0.82	0.016	110	3.91	6.8
ABG06A20LCM1R0	1	0.019	94	3.35	4.27
ABG06A20LCM1R2	1.2	0.021	88	3.3	6.08
ABG06A20LCM1R5	1.5	0.021	79	3.3	4.38
ABG06A20LCM1R8	1.8	0.027	68	2.83	5
ABG06A20LCM2R0	2	0.033	64	2.52	4.43
ABG06A20LCM2R2	2.2	0.027	61	2.83	3.86
ABG06A20LCM2R7	2.7	0.033	56	2.68	4.02
ABG06A20LCM3R3	3.3	0.033	51	2.68	3.24
ABG06A20LCM3R9	3.9	0.047	46	2.16	3.35
ABG06A20LCM4R3	4.3	0.047	44	2.16	2.78

ABG 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.
ABG06A20LCM4R7	4.7	0.056	41	2.06	3.09
ABG06A20LCM5R6	5.6	0.056	36	1.96	2.47
ABG06A20LCM6R2	6.2	0.076	35	1.85	2.37
ABG06A20LCM6R8	6.8	0.076	31	1.85	2.27
ABG06A20LCM8R2	8.2	0.101	28	1.44	2.16
ABG06A20LCM100	10	0.101	27	1.44	1.8
ABG06A20LCM120	12	0.116	23	1.39	1.75
ABG06A20LCM150	15	0.139	21	1.24	1.55
ABG06A20LCM180	18	0.168	19	1.13	1.27
ABG06A20LCM220	22	0.196	16	1.03	1.29
ABG06A20LCM330	33	0.3	11	0.84	0.95
ABG06A20LCM470	47	0.43	10	0.8	0.7
ABG06A28LCNR82	0.82	0.012	97	5.2	6.5
ABG06A28LCM1R0	1	0.01	70	5.2	5.75
ABG06A28LCM1R2	1.2	0.013	69	4.58	6.4
ABG06A28LCM1R5	1.5	0.012	65	4.72	6.18
ABG06A28LCM2R2	2.2	0.018	56	4.21	5.25
ABG06A28LCM2R7	2.7	0.019	48	3.86	3.91
ABG06A28LCM3R3	3.3	0.024	41	3.58	3.74
ABG06A28LCM4R7	4.7	0.029	35	3.17	3.09
ABG06A28LCM5R1	5.1	0.033	33	2.98	3.66
ABG06A28LCM6R2	6.2	0.039	30	2.66	3.14
ABG06A28LCM6R8	6.8	0.045	27	2.47	2.94
ABG06A28LCM8R2	8.2	0.053	24	2.32	2.68
ABG06A28LCM9R1	9.1	0.058	24	2.21	2.63
ABG06A28LCM100	10	0.069	23	2.01	2.1
ABG06A28LCM120	12	0.077	18	1.91	1.85
ABG06A28LCM150	15	0.12	18	1.49	1.8
ABG06A28LCM180	18	0.116	15	1.49	1.57
ABG06A28LCM220	22	0.135	14	1.44	1.65
ABG06A28LCM270	27	0.149	13	1.36	1.55
ABG06A28LCM330	33	0.2	12	1.26	1.39
ABG06A28LCM360	36	0.207	11	1.16	1.29
ABG06A28LCM390	39	0.216	11	1.13	1.29

ABG 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.
ABG06A28LCM430	43	0.226	11	1.1	1.24
ABG06A28LCM470	47	0.315	9.5	1.09	1.18
ABG06A28LCM510	51	0.255	9.5	1.04	1.08
ABG06A28LCM560	56	0.345	8.2	0.89	1.05
ABG06A28LCM620	62	0.332	7.7	0.92	0.98
ABG06A28LCM680	68	0.347	7.7	0.89	0.98
ABG06A28LCM750	75	0.395	7.7	0.83	0.93
ABG06A28LCM820	82	0.428	7.7	0.8	0.93
ABG06A28LCM910	91	0.486	7.7	0.75	0.82
ABG06A28LCM101	100	0.524	7.1	0.72	0.77
ABG06A28LCM401	400	2.16	2.8	0.4	0.3
ABG06A40LCM1R0	1	0.0078	97	6.48	9.27
ABG06A40LCM100	10	0.047	16	2.52	3.29
ABG06A40LCM120	12	0.056	14	2.26	2.88
ABG06A40LCM150	15	0.066	13	2.11	2.57
ABG06A40LCM220	22	0.086	10	1.85	2.11
ABG06A40LCM330	33	0.133	9.9	1.49	1.69
ABG06A40LCM560	56	0.214	6.6	1.13	1.33
ABG06A40LCM680	68	0.276	5.6	0.97	1.18
ABG06A40LCM471	470	1.74	2	0.48	0.43
ABG06A45LCNR47	0.47	0.006	155	6.5	15
ABG06A45LCNR56	0.56	0.006	142	6.5	14
ABG06A45LCNR68	0.68	0.006	99	5.7	11
ABG06A45LCNR82	0.82	0.007	140	6.08	10.71
ABG06A45LCM1R0	1	0.01	100	5.29	10.15
ABG06A45LCM1R2	1.2	0.01	100	5.56	8.6
ABG06A45LCM1R3	1.3	0.01	100	5.4	8.35
ABG06A45LCM1R5	1.5	0.011	65	5.1	9.06
ABG06A45LCM1R8	1.8	0.011	74	5.1	7.83
ABG06A45LCM2R2	2.2	0.014	52	4.74	6.95
ABG06A45LCM2R3	2.3	0.02	60	3.61	6.18
ABG06A45LCM2R7	2.7	0.02	38	4.43	5.92
ABG06A45LCM3R0	3	0.019	35	3.91	5.77
ABG06A45LCM3R3	3.3	0.02	32	3.81	6.08

ABG 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.
ABG06A45LCM3R6	3.6	0.02	28	3.81	5.41
ABG06A45LCM4R3	4.3	0.021	23	3.61	4.58
ABG06A45LCM4R5	4.5	0.026	24	3.3	4.97
ABG06A45LCM4R7	4.7	0.024	24	3.4	5.12
ABG06A45LCM5R1	5.1	0.024	23	3.4	4.53
ABG06A45LCM5R6	5.6	0.027	23	3.24	4.27
ABG06A45LCM6R2	6.2	0.03	26	3.09	4.56
ABG06A45LCM6R3	6.3	0.031	26	3	4.43
ABG06A45LCM6R8	6.8	0.03	20	3.09	4.02
ABG06A45LCM7R5	7.5	0.033	18	2.99	3.61
ABG06A45LCM8R2	8.2	0.041	21	2.68	4.02
ABG06A45LCM9R1	9.1	0.041	17	2.68	3.45
ABG06A45LCM100	10	0.046	15	2.52	3.3
ABG06A45LCM120	12	0.056	13	2.27	2.88
ABG06A45LCM150	15	0.065	12	2.11	2.58
ABG06A45LCM180	18	0.078	10	1.91	2.27
ABG06A45LCM220	22	0.11	10	1.85	2.11
ABG06A45LCM270	27	0.098	9.2	1.7	1.96
ABG06A45LCM300	30	0.127	7.8	1.55	1.75
ABG06A45LCM330	33	0.137	7.8	1.49	1.7
ABG06A45LCM360	36	0.166	7.8	1.44	1.67
ABG06A45LCM390	39	0.173	7.8	1.29	1.55
ABG06A45LCM430	43	0.193	7.7	1.24	1.68
ABG06A45LCM470	47	0.193	6.4	1.24	1.44
ABG06A45LCM510	51	0.199	6.4	1.18	1.39
ABG06A45LCM560	56	0.25	6.4	1.13	1.34
ABG06A45LCM620	62	0.226	6.4	1.13	1.29
ABG06A45LCM680	68	0.278	6.4	1.03	1.24
ABG06A45LCM750	75	0.293	5	0.98	1.18
ABG06A45LCM820	82	0.328	4.9	0.93	1.08
ABG06A45LCM910	91	0.345	4.9	0.88	1.03
ABG06A45LCM101	100	0.416	4.2	0.82	0.98
ABG06A45LCM121	120	0.466	4.2	0.79	0.88
ABG06A45LCM151	150	0.559	4.2	0.72	0.82

ABG 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.
ABG06A45LCM221	220	0.803	3.5	0.61	0.72
ABG06A45LCM331	330	1.27	2.8	0.59	0.59
ABG06A45LCM471	470	2.6	2.1	0.2	0.2
ABG06A45LCM681	680	2.5	1.7	0.33	0.42
ABG06A45LCM102	1000	5.231	0	0.21	0.24
ABG06A55LCM3R3	3.3	0.019	32	3.99	6.07
ABG06A55LCM4R7	4.7	0.024	24	3.63	4.95
ABG06A55LCM6R8	6.8	0.026	20	3.53	3.94
ABG06A55LCM8R2	8.2	0.037	21	2.93	3.93
ABG06A55LCM100	10	0.041	15	2.73	3.34
ABG06A55LCM150	15	0.056	12	2.37	2.56
ABG06A55LCM220	22	0.076	10	2.03	2.27
ABG06A55LCM330	33	0.13	7.8	1.56	1.66
ABG06A55LCM470	47	0.193	6.4	1.26	1.62
ABG06A55LCM680	68	0.271	6.4	1.02	1.26
ABG06A55LCM101	100	0.333	4.2	0.96	1.06
ABG06A55LCM151	150	0.527	4.2	0.76	0.92
ABG06A55LCM221	220	0.796	3.5	0.61	0.71
ABG06A55LCM331	330	1.232	2.8	0.5	0.57
ABG08A40LCNR82	0.82	0.007	94	6.49	14.21
ABG08A40LCM1R0	1	0.007	89	6.49	10.15
ABG08A40LCM1R2	1.2	0.01	59	5.65	10
ABG08A40LCM1R5	1.5	0.01	67	5.82	8.39
ABG08A40LCM2R0	2	0.011	43	5.3	9.53
ABG08A40LCM2R2	2.2	0.011	41	5.3	7.31
ABG08A40LCM3R0	3	0.013	32	4.84	6.28
ABG08A40LCM3R3	3.3	0.016	27	4.53	6.7
ABG08A40LCM3R6	3.6	0.016	30	4.48	7.75
ABG08A40LCM3R9	3.9	0.016	26	4.48	5.92
ABG08A40LCM4R7	4.7	0.018	24	4.22	6.08
ABG08A40LCM5R1	5.1	0.018	22	4.17	4.84
ABG08A40LCM5R6	5.6	0.02	24	3.97	6.18
ABG08A40LCM6R2	6.2	0.02	20	3.97	4.58
ABG08A40LCM6R8	6.8	0.023	20	3.71	4.69

ABG 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.
ABG08A40LCM8R2	8.2	0.024	17	3.55	4.33
ABG08A40LCM100	10	0.0285	15	3.3	3.71
ABG08A40LCM120	12	0.041	13	2.8	3.5
ABG08A40LCM150	15	0.045	12	2.68	3.04
ABG08A40LCM180	18	0.05	11	2.47	2.78
ABG08A40LCM220	22	0.066	9.5	2.16	2.47
ABG08A40LCM270	27	0.075	9.2	2.06	2.21
ABG08A40LCM330	33	0.097	7.8	1.85	2.11
ABG08A40LCM360	36	0.098	7.8	1.8	2.06
ABG08A40LCM390	39	0.103	7.8	1.75	2.01
ABG08A40LCM430	43	0.108	7.8	1.7	1.96
ABG08A40LCM470	47	0.13	6.4	1.6	1.8
ABG08A40LCM510	51	0.136	6.4	1.55	1.75
ABG08A40LCM560	56	0.148	6.4	1.49	1.6
ABG08A40LCM620	62	0.175	6.4	1.34	1.55
ABG08A40LCM680	68	0.188	4.9	1.29	1.49
ABG08A40LCM750	75	0.203	4.9	1.24	1.39
ABG08A40LCM820	82	0.225	5.9	1.18	1.34
ABG08A40LCM910	91	0.261	4.9	1.08	1.24
ABG08A40LCM101	100	0.279	4.2	1.03	1.18
ABG08A40LCM121	120	0.321	3.5	0.98	1.08
ABG08A40LCM151	150	0.41	3.5	0.88	1.13
ABG08A40LCM181	180	0.52	3.5	0.83	0.95
ABG08A40LCM221	220	0.576	3.5	0.82	0.88
ABG08A40LCM331	330	0.856	2.8	0.64	0.7
ABG08A40LCM471	470	1.5	2.1	0.54	0.6
ABG08A40LCM561	560	2	1.6	0.3	0.3
ABG08A40LCM681	680	2.2	1.2	0.25	0.25
ABG08A40LCM821	820	3	0.8	0.2	0.2
ABG08A40LCM102	1000	4	0.5	0.15	0.15
ABG08A60LCK681	680	1.67	1.26	0.46	0.72
ABG08A65LCMR68	0.68	0.006	100	7.65	24.5
ABG08A65LCM1R0	1	0.008	96	7.13	20.3
ABG08A65LCM2R2	2.2	0.012	45	4.56	12.2

ABG Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (Ω) $\pm 30\%$.	Self-resonant Frequency (MHz) Min.	Heat Rating Current I _{rms} (A) Max.	Saturation Current I _{sat} (A) Max.
ABG08A65LCM3R3	3.3	0.013	27	5.25	9.78
ABG08A65LCM4R7	4.7	0.016	18	4.84	8.75
ABG08A65LCM5R6	5.6	0.02	17	4.63	8.24
ABG08A65LCM6R8	6.8	0.02	16	4.63	7.72
ABG08A65LCM8R2	8.2	0.023	15	4.32	7.21
ABG08A65LCM100	10	0.033	13	3.26	8.15
ABG08A65LCM150	15	0.04	10	3.35	5.8
ABG08A65LCM220	22	0.055	8	2.76	4.42
ABG08A65LCM470	47	0.11	7	1.88	3.46
ABG08A65LCM560	56	0.15	6	1.38	3.25
ABG08A65LCM680	68	0.16	5	1.57	2.4
ABG08A65LCM101	100	0.21	3.1	1.37	2.03
ABG08A65LCM151	150	0.33	2.5	0.97	1.63
ABG08A65LCM221	220	0.49	2	0.81	1.22
ABG08A65LCM331	330	0.64	1.7	0.77	1.03
ABG08A65LCM431	430	0.9	1.5	0.62	0.97
ABG08A65LCM471	470	1.15	1.4	0.56	1.02
ABG08A65LCM681	680	1.48	1	0.52	0.87
ABG08A65LCM102	1000	2.15	1.1	0.41	0.66
ABG08A65LCM152	1500	3.34	0.7	0.33	0.55
ABG08A65LCM222	2200	4.6	0.7	0.27	0.46
ABG08A65LCM332	3300	10.8	0.7	0.23	0.36
ABG08A65LCM472	4700	11.1	0.4	0.19	0.3
ABG08A65LCM682	6800	17.1	0.4	0.15	0.27
ABG08A65LCM103	10000	20.5	0.4	0.14	0.21