

APW-B Series

Features

- Ideal for a variety of DC-DC converter Inductors Applications. Available on tape and reel for automatic levels. insertion. Low DC resistance and large permissible DC current. This can be surface mount assembly and reflow soldering is also possible.
- RoHS compliance.
- Halogen Free.

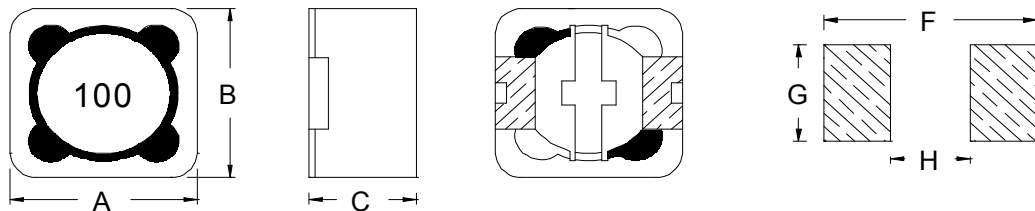
Applications

- Excellent for power line DC-DC conversion application used in hard disk, notebook computers and other electronic equipment.

Test Equipment and Conditions

- Inductance is measured with IM3536 LCR meter or equivalent.
- Operating temperature range -40°C to +105°C.(Including self - temperature rise).
- Maximum allowable DC current which causes 35% inductance reduction of the initial value

External Dimensions (Unit:mm)



TYPE	A Max	B Max	C Max	F typ	G typ	H typ	Q'TY/Reel
APW07A45	7.5	7.5	4.5	7.1	2.6	4.7	1000
APW12A60	12.5	12.5	6.0	11.8	5.2	7.4	500
APW12A80	12.5	12.5	8.0	11.8	4.9	7.4	500
APW12A10	12.5	12.5	10.0	11.8	4.9	7.4	300

2. Part Number Code

APW	07	A	45	LC	M	100	B/N
Series Name	Dimensions L*W	Materials	Dimensions H	Internal control	Tolerance M:20% N:30%	Inductance	Internal Controls

APW-B Series

Part Number	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (Ω)Max	Saturation Current Isat (A) Max
APW07A45LCN1R0B	1.0	100	0.017	6.8
APW07A45LCN2R2B	2.2	100	0.024	6
APW07A45LCN3R3B	3.3	100	0.034	4
APW07A45LCN4R7B	4.7	100	0.04	3.5
APW07A45LCN6R8B	6.8	100	0.05	2.8
APW07A45LCM100B	10	100	0.065	1.84
APW07A45LCM150B	15	100	0.09	1.47
APW07A45LCM220B	22	100	0.13	1.23
APW07A45LCM330B	33	100	0.17	0.96
APW07A45LCM470B	47	100	0.26	0.88
APW07A45LCM560B	56	100	0.35	0.75
APW07A45LCM680B	68	100	0.38	0.69
APW07A45LCM101B	100	100	0.61	0.6
APW07A45LCM121B	120	100	0.66	0.52
APW07A45LCM151B	150	100	0.88	0.46
APW07A45LCM221B	220	100	1.17	0.36
APW07A45LCM331B	330	100	1.86	0.32
APW07A45LCM471B	470	100	3.01	0.26
APW07A45LCM681B	680	100	4.63	0.22
APW07A45LCM102B	1000	100	6	0.18
APW12A60LCN1R0B	1.0	100	0.015	15
APW12A60LCN2R2B	2.2	100	0.02	13
APW12A60LCN3R3B	3.3	100	0.025	6.5
APW12A60LCN4R7B	4.7	100	0.03	5.3
APW12A60LCN6R8B	6.8	100	0.032	4.7
APW12A60LCM100B	10	100	0.4	4
APW12A60LCM150B	15	100	0.042	3.3
APW12A60LCM220B	22	100	0.045	2.8
APW12A60LCM330B	33	100	0.075	2.1
APW12A60LCM470B	47	100	0.11	1.8
APW12A60LCM560B	56	100	0.125	1.7
APW12A60LCM680B	68	100	0.135	1.5
APW12A60LCM101B	100	100	0.185	1.3
APW12A60LCM121B	120	100	0.24	1.1

APW-B Series

Part Number	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (Ω)Max	Saturation Current Isat (A) Max
APW12A60LCM151B	150	100	0.26	1
APW12A60LCM221B	220	100	0.45	0.8
APW12A60LCM331B	330	100	0.74	0.68
APW12A60LCM471B	470	100	1	0.58
APW12A60LCM681B	680	100	1.2	0.48
APW12A60LCM102B	1000	100	1.6	0.4
APW12A80LCN1R0B	1.0	100	0.014	25
APW12A80LCN2R2B	2.2	100	0.017	21
APW12A80LCN3R3B	3.3	100	0.02	7.5
APW12A80LCN4R7B	4.7	100	0.022	6.8
APW12A80LCN6R8B	6.8	100	0.025	7.1
APW12A80LCM100B	10	100	0.027	5.4
APW12A80LCM150B	15	100	0.035	4.5
APW12A80LCM220B	22	100	0.057	3.6
APW12A80LCM330B	33	100	0.065	3
APW12A80LCM470B	47	100	0.09	2.5
APW12A80LCM560B	56	100	0.105	2.35
APW12A80LCM680B	68	100	0.11	2.1
APW12A80LCM101B	100	100	0.2	1.7
APW12A80LCM121B	120	100	0.25	1.6
APW12A80LCM151B	150	100	0.3	1.42
APW12A80LCM221B	220	100	0.4	1.16
APW12A80LCM331B	330	100	0.55	0.95
APW12A80LCM471B	470	100	0.85	0.79
APW12A80LCM681B	680	100	1.2	0.67
APW12A80LCM102B	1000	100	1.82	0.55
APW12A10LCN1R0B	1	100	0.015	11.5
APW12A10LCN2R2B	2.2	100	0.018	17
APW12A10LCN3R3B	3.3	100	0.02	8.7
APW12A10LCN4R7B	4.7	100	0.022	8.4
APW12A10LCN6R8B	6.8	100	0.025	7.1
APW12A10LCM100B	10.0	100	0.027	6.9
APW12A10LCM150B	15	100	0.03	5.2
APW12A10LCM220B	22	100	0.05	4.95

APW-B Series

Part Number	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (Ω)Max	Saturation Current Isat (A) Max
APW12A10LCM330B	33	100	0.06	3.6
APW12A10LCM470B	47	100	0.08	3.45
APW12A10LCM560B	56	100	0.09	2.95
APW12A10LCM680B	68	100	0.1	2.85
APW12A10LCM101B	100	100	0.14	2.45
APW12A10LCM121B	120	100	0.17	2.2
APW12A10LCM151B	150	100	0.23	1.9
APW12A10LCM221B	220	100	0.28	1.7
APW12A10LCM331B	330	100	0.54	1.28
APW12A10LCM471B	470	100	0.61	1.2
APW12A10LCM681B	680	100	0.98	0.95
APW12A10LCM102B	1000	100	1.25	0.7

APW-N Series

Part Number	Inductance (μ H)	Test Frequency (KHz)	DC Resistance (Ω) Max	Saturation Current Isat (A)
APW12A80LCM220N	22	100	0.055	4.5
APW12A80LCM330N	33	100	0.065	4
APW12A80LCM470N	47	100	0.095	3
APW12A80LCM101N	100	100	0.02	2