



High Current Power Inductors - SEP1004EB SERIES



PART NUMBERING SYSTEM

SEP	1004EB	—	100M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

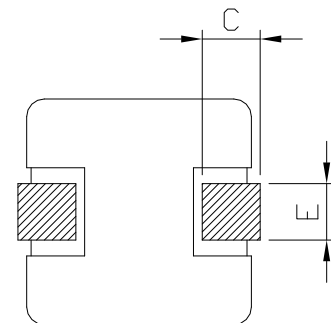
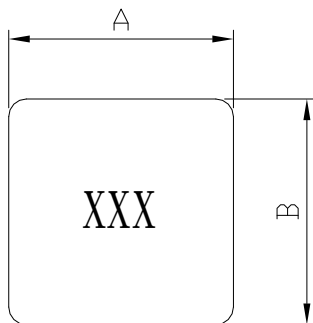
SHAPES AND DIMENSIONS :

UNIT : mm



FEATURES :

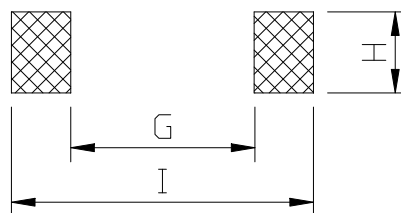
- * Low profile.
- * Magnetically shielded low DC resistance .
- * Suitable for large current application. DC current up to 90A .
- * Laptop & Notebook computers.
- * Battery powered equipment.
- * DC/DC converters.
- * Digital 、 Cameras 、 Scanners, CD-ROM & DVD.



A=11.5±1.0 B=10.5±0.5 C=2.3 Ref. D=4.0 Max. E=3.0 Ref.

UNIT : mm

RECOMMENDED PATTERNS



G=6.0 H=4.0 I= 13.0

UNIT : mm

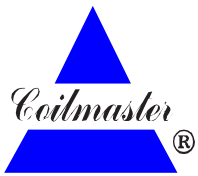
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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	Isat (A) (Typ.)	Irms (A) (Δ t) 40°C (Typ.)	DCR (mΩ) (Max.)	DCR (mΩ) (Typ.)	Test Freq. (KHz)
SEP1004EB-R19M-LF	0.19±20%	90.0	40.0	0.95	0.875	100KHz/1V
SEP1004EB-R36M-LF	0.36±20%	60.0	31.5	1.40	1.30	100KHz/1V
SEP1004EB-R56M-LF	0.56±20%	49.0	27.5	1.80	1.70	100KHz/1V
SEP1004EB-1R0M-LF	1.0±20%	36.0	17.5	4.10	3.70	100KHz/1V
SEP1004EB-1R5M-LF	1.5±20%	27.5	15.0	5.80	5.30	100KHz/1V
SEP1004EB-2R2M-LF	2.2±20%	25.5	12.0	9.00	8.20	100KHz/1V
SEP1004EB-3R3M-LF	3.3±20%	18.6	10.0	11.80	10.80	100KHz/1V
SEP1004EB-4R7M-LF	4.7±20%	17.0	9.5	16.50	15.00	100KHz/1V
SEP1004EB-5R6M-LF	5.6±20%	16.0	8.5	19.30	17.60	100KHz/1V
SEP1004EB-6R8M-LF	6.8±20%	13.5	8.0	23.30	21.20	100KHz/1V
SEP1004EB-8R2M-LF	8.2±20%	12.5	7.0	34.00	31.00	100KHz/1V
SEP1004EB-100M-LF	10±20%	12.0	6.8	36.50	33.20	100KHz/1V

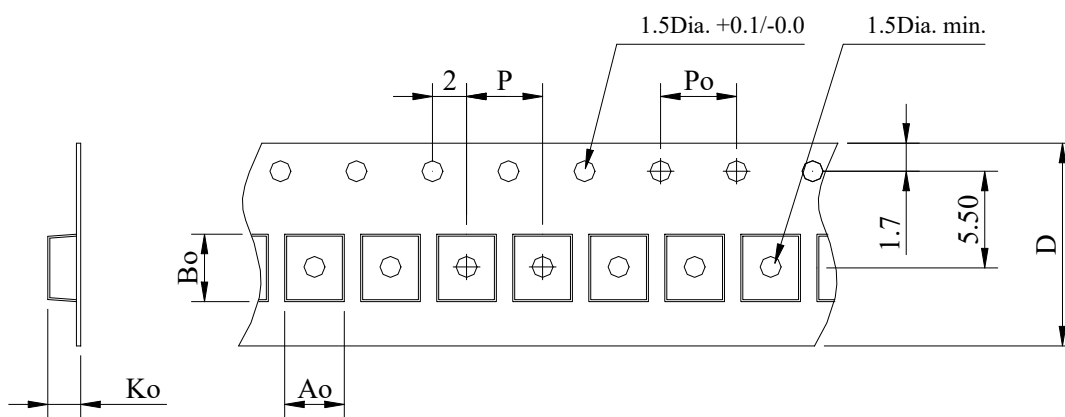
- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- Irms : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.



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PACKAGING SPECIFICATION



STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)					
		A_o	B_o	K_o	P	P_o	$D \pm 0.3$
13"	800	12.2	11.2	4.1	16	4.0	24