

SEP1010EM SERIES ~ Shielded Power Inductors



PART NUMBERING SYSTEM

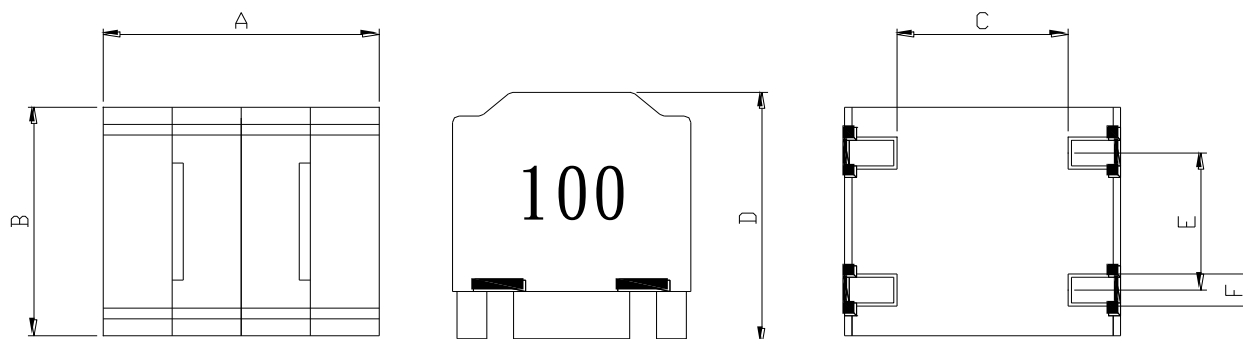
SEP	1010EM	—	100M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Ferrite core 2 in 1 construction..
- Magnetically shielded and low DC resistance.
- Moisture Sensitivity Level : 1.
- RoHS Compliance.

SHAPES AND DIMENSIONS:

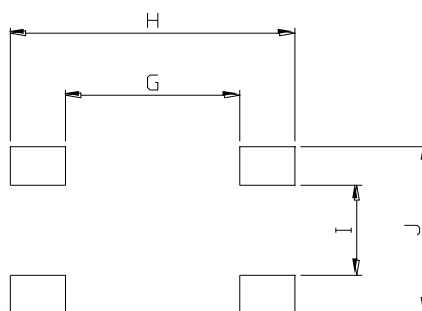
UNIT : mm



A=12.8±0.5 B=10.5±0.5 C=9.3±0.5 D=10.5 Max. E=6.4±0.4 F=1.2 Ref.

RECOMMENDED PATTERNS:

UNIT : mm



H=14.0 G=8.0 I = 4.2 I = 8.6



Coilmaster Electronics Co., Ltd.
9F-3 No.398, Huan Bei Rd. Chung Li City, Taoyuan 320, Taiwan

Email: sales@bec.co.uk
Web: www.bec.co.uk



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	Isat (A) (Min.)	Irms (A) (Min.)	DCR (m Ω) (Max.)	TEST FREQ. (f)
SEP1010EM-100M-LF	10 \pm 20%	8.0	4.5	18.0	100KHz/0.25V
SEP1010EM-120M-LF	12 \pm 20%	6.7	4.2	20.0	100KHz/0.25V
SEP1010EM-150M-LF	15 \pm 20%	5.9	4.0	23.0	100KHz/0.25V
SEP1010EM-220M-LF	22 \pm 20%	4.9	3.8	38.0	100KHz/0.25V

- All test Data is referenced to 25 $^{\circ}$ C ambient.
- Typical Heat Rating DC Current would cause an approximately Δ T of 40 $^{\circ}$ C.
- Typical Saturation DC Current would cause Lo to drop approximately 25%
- Operating Temperature Range: -40 $^{\circ}$ C ~ +105 $^{\circ}$ C.