

SER2014 SERIES~ High Current SMD Power Inductors



PART NUMBERING SYSTEM

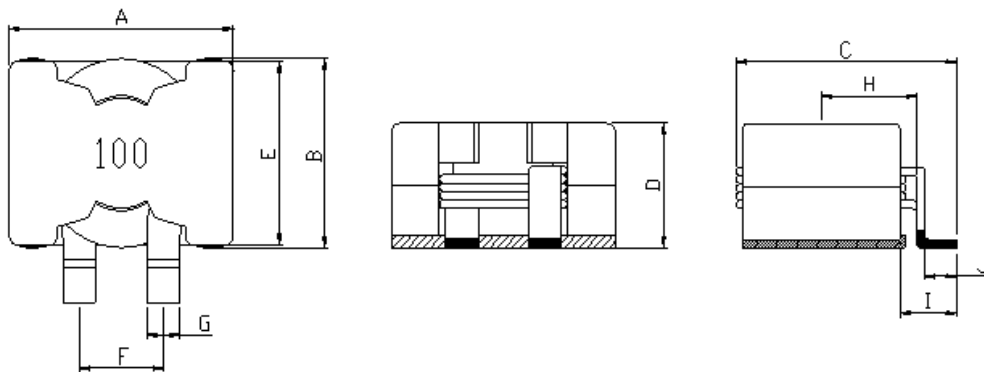
SER	2014	—	220K	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Designed for high current, low voltage power supplies .
- Magnetic shielding structure, Excellent resistance to electromagnetic interference .
- Flat wire windings provide exceptionally low DC resistance , Halogen Free , 100% lead (Pb) Free and RoHS compliant .

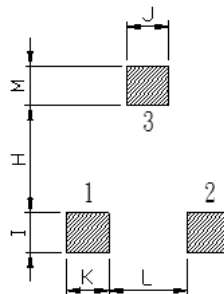
SHAPES AND DIMENSIONS :

UNIT : mm



A=21.8 Max. B=21.5 Max. C=14.5 Max. D=9.0±0.4

E=2.5±0.25 F = 2.0±0.15 G=3.0±0.3



I=3.0 Ref. J=2.5 Ref. K=2.5 Ref. L=6.5 Ref. M=2.0 Ref.



Coilmaster Electronics Co., Ltd.
3F No.211, Huan Bei Rd. Chung Li District , Taoyuan City, Taiwan

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



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) (Max.)	Isat (A) Drop 30%	Irms Rise 40 $^{\circ}$ C
SER2014-100K-LF	10.0 \pm 10%	8.50	25.0	18.0
SER2014-220K-LF	22.0 \pm 10%	11.5	15.0	12.5

- Inductance measured at 100KHz,0.1Vrms,0A_{dc} on WK3260 or equivalent
- DC current at which the inductance drop 30% (typ) from its value without current.
- Irms current that causes a 40 $^{\circ}$ C temperature rise from 25 $^{\circ}$ C ambient..
- Operating temperature range -40 $^{\circ}$ C to +120 $^{\circ}$ C , Electrical specifications at 25 $^{\circ}$ C.