



# High Current SMD Power Inductors - SER2014 SERIES



## PART NUMBERING SYSTEM

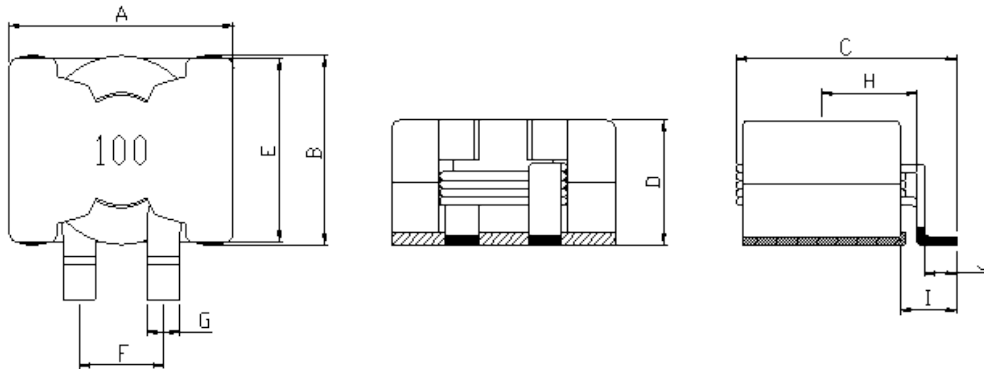
<b>SER</b>	<b>2014</b>	—	<b>100K</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

## 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 .

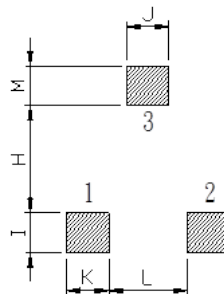
## SHAPES AND DIMENSIONS :

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.**



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### SPECIFICATION TABLE

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

- Inductance measured at 100KHz,0.1Vrms,0A<sub>dc</sub> 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.