

SER2818 SERIES~ High Current SMD Power Inductors



PART NUMBERING SYSTEM

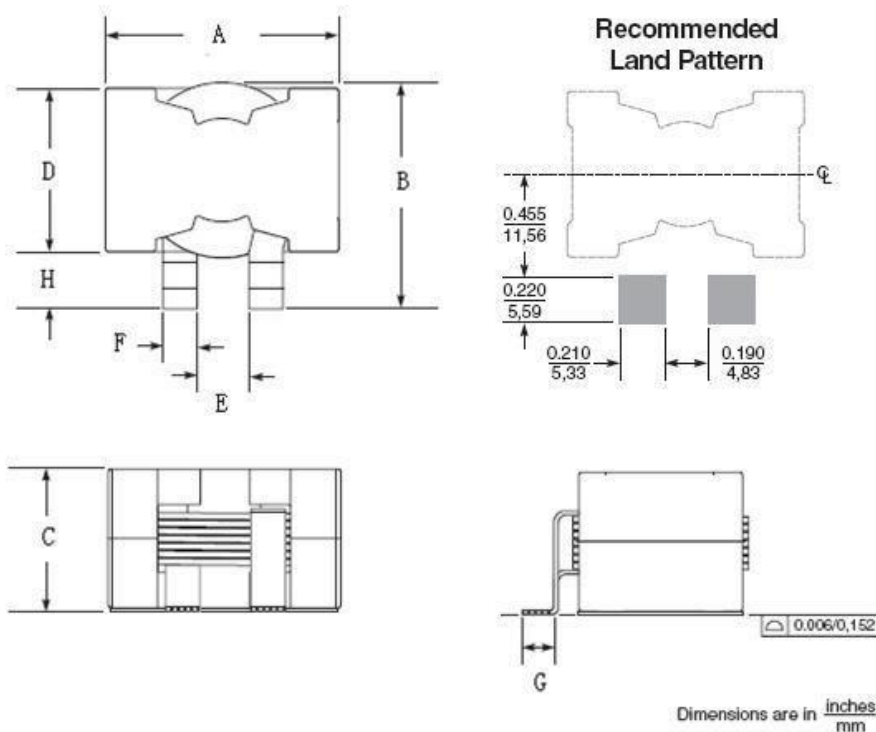
SER	2818	—	220K	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

- Designed for high current, low voltage power supplies .
- Saturation current ratings over 100 Amps .
- Flat wire windings provide exceptionally low DC resistance .
- Halogen Free , 100% lead (Pb) Free and RoHS compliant .

SHAPES AND DIMENSIONS :

UNIT : mm



A=27.90 Max. B=27.94 Max. C=17.78 Max. D=19.3 Max.
E=6.62±0.51 F 3.80±0.2 G=3.8 Min. H=6.90Typ.



SER2818 SERIES~ High Current SMD Power Inductors



SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) (Max.)	Isat (A) Drop 10%	Isat (A) Drop 20%	Isat (A) Drop 30%	Irms Rise 40 $^{\circ}$ C
SER2818-3R3K-LF	3.30 \pm 10%	2.86	91.0	92.5	93.6	28.0
SER2818-4R7K-LF	4.70 \pm 10%	2.86	59.0	61.2	62.4	28.0
SER2818-6R8K-LF	6.80 \pm 10%	2.86	42.0	45.0	45.9	28.0
SER2818-100K-LF	10.0 \pm 10%	2.86	28.0	31.2	32.1	28.0
SER2818-150K-LF	15.0 \pm 10%	2.86	18.0	21.2	21.9	28.0
SER2818-220K-LF	22.0 \pm 10%	2.86	12.0	14.0	15.0	28.0
SER2818-330K-LF	33.0 \pm 10%	2.86	7.00	8.70	9.60	28.0

- Inductance measured at 100KHz,0.1Vrms,0Adc on WK3260 or equivalent
- DC current at which the inductance drop 10% , 20%,30%(typ) from its value without current.
- Irms current that causes a 20 $^{\circ}$ C & 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 .