



## High Current Shielded Power Inductors - SER2818 SERIES



### PART NUMBERING SYSTEM

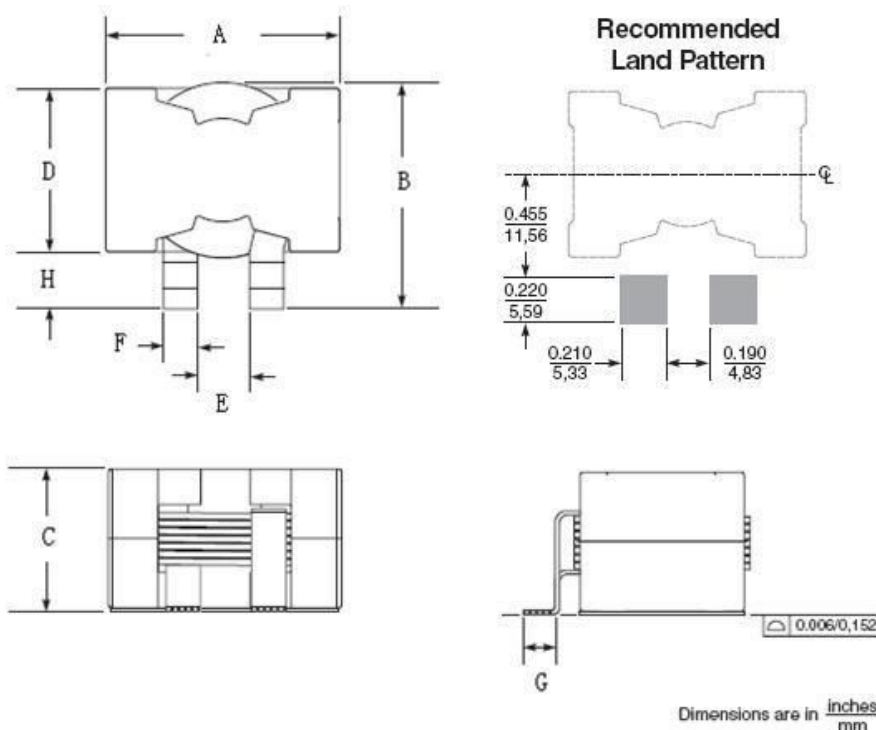
<b>SER</b>	<b>2818</b>	—	<b>100K</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### 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.**



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### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR (m $\Omega$ ) (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 .