



High Current Shielded Power Inductors - SER2815 SERIES



PART NUMBERING SYSTEM

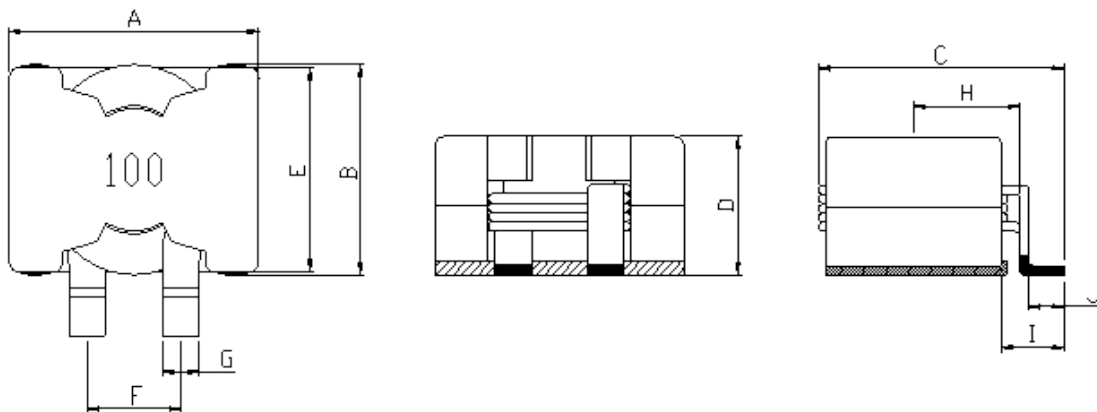
SER	2815	—	4R7K	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

FEATURES :

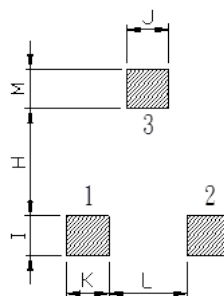
- Designed for high current, low voltage power supplies .
- Magnetic shielding structure, Excellent resistance to electromagnetic interference .
- Flat wire windings provide exceptionally low DC resistance , Halogen Free , 100% lead (Pb) Free and RoHS compliant .

SHAPES AND DIMENSIONS :

UNIT : mm



A=28.0 Max. B=20.5 Max. C=28.0 Max. D=15.4 Max. E=19.3 Max.
F 10.0±0.5 G=4.0±0.25 H=11.5 Ref. I=6.8±0.35 J=3.8±0.35



H =16.6 I=5.59 J=6.35 K=5.00 L=4.80 M=5.28



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) (Max.)	Isat (A) Drop 20%	Irms Rise 40 $^{\circ}$ C
SER2815-1R5M-LF	1.50 \pm 20%	1.62	100.0	30.0
SER2815-2R2M-LF	2.20 \pm 20%	1.62	84.0	30.0
SER2815-3R3K-LF	3.30 \pm 10%	1.62	54.0	30.0
SER2815-4R7K-LF	4.70 \pm 10%	1.62	36.9	30.0
SER2815-6R8K-LF	6.80 \pm 10%	1.62	26.0	30.0
SER2815-100K-LF	10.0 \pm 10%	1.62	16.2	30.0
SER2815-120K-LF	12.0 \pm 10%	1.62	12.5	30.0
SER2815-150K-LF	15.0 \pm 10%	1.62	9.80	30.0
SER2815-220K-LF	20.0 \pm 20%	1.62	6.00	30.0
SER2815-330K-LF	33.0 \pm 20%	1.62	3.30	30.0

- Inductance measured at 100KHz,0.1Vrms,0A_{dc} on WK3260 or equivalent
- DC current at which the inductance drop 20% (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.