

SD32S SERIES ~ Semi-Shielded Power Inductors



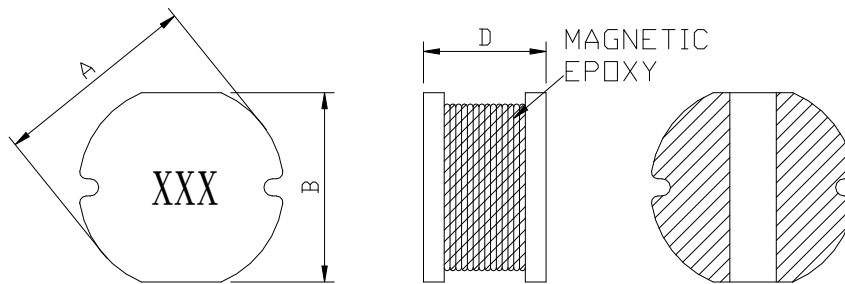
PART NUMBERING SYSTEM

(AEC-Q200)

SDR	32S	—	100M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

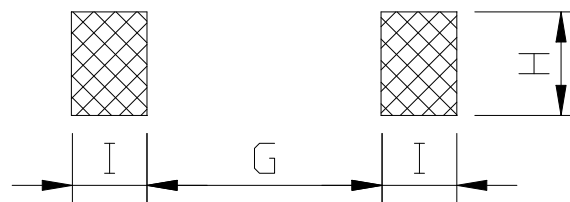
SHAPES AND DIMENSIONS

UNIT : mm



A=3.5±0.3 B=3.0±0.3 D= 2.5 Max.

PCB PATTERN



G=1.2 Ref. H=3.2 Ref. I= 1.0 Ref.

FEATURES

- Semi-Shielded Construction
- Inductance value range from 0.30uH to 33uH .
- Component height 2.5mm
- Isat current up to 5.7A
- RoHS-compliant. 260°C compatible and Halogen free

SD32S SERIES ~ Semi-Shielded Power Inductors



SPECIFICATION TABLE

(AEC-Q200)

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) (Max.)	Isat (A) (Max.)	Irms (A) (Max.)
SDR32S-R30N-LF	0.30 \pm 30%	18.0	5.70	3.90
SDR32S-R47N-LF	0.47 \pm 30%	23.0	4.70	3.30
SDR32S-R72N-LF	0.72 \pm 30%	27.5	4.00	3.00
SDR32S-1R2N-LF	1.2 \pm 30%	42.0	3.00	2.60
SDR32S-2R2M-LF	2.2 \pm 20%	66.0	2.40	1.80
SDR32S-3R3N-LF	3.3 \pm 20%	101	1.80	1.50
SDR32S-4R7N-LF	4.7 \pm 20%	120	1.70	1.35
SDR32S-6R8N-LF	6.8 \pm 20%	165	1.30	1.10
SDR32S-100M-LF	10 \pm 20%	190	1.10	1.00
SDR32S-150M-LF	15 \pm 20%	400	0.90	0.72
SDR32S-220M-LF	22 \pm 20%	575	0.75	0.50
SDR32S-270M-LF	27 \pm 20%	796	0.67	0.45
SDR32S-330M-LF	33 \pm 20%	960	0.62	0.40

- DC current at which the inductance drops 35% (Max.) from its value without current.
- Test Frequency at 100KHz/0.25V
- Operating temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C ,
- Electrical specifications at 25 $^{\circ}$ C .
- Packing : 13" reel, machine-ready ,embossed plastic tape (2,000 parts per full reel).