

SDC2D14J SERIES

Low Profile Shielded Power Inductors



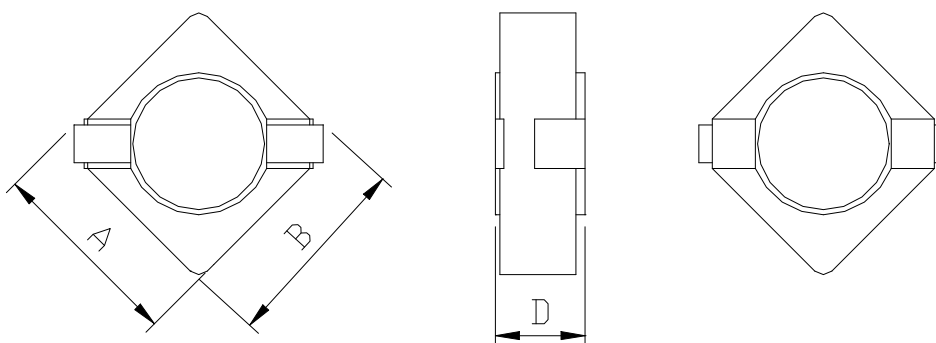
RoHS Compliant

PART NUMBERING SYSTEM

SDC	2D14J	—	1R5N	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

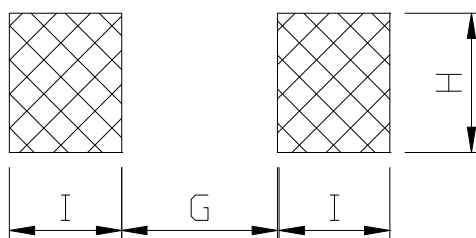
UNIT : mm



A=3.2 max. B=3.2 max. D=1.5 max.

RECOMMENDED PATTERNS

UNIT : mm



G=2.2 H=1.3 I=1.05

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ELECTRICAL CHARACTERISTICS :

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) (Max.)	Isat (A) (Max.)	Irms (A) (Max.)	TEST FREQ. (f)
SDC2D14J-1R5N-LF	1.5 $\pm$ 30%	85	1.39	2.07	100KHz
SDC2D14J-3R3N-LF	3.3 $\pm$ 30%	160	0.94	1.48	100KHz
SDC2D14J-4R7N-LF	4.7 $\pm$ 30%	190	0.76	1.38	100KHz
SDC2D14J-5R6N-LF	5.6 $\pm$ 30%	265	0.69	1.16	100KHz
SDC2D14J-6R8N-LF	6.8 $\pm$ 30%	300	0.61	1.10	100KHz
SDC2D14J-8R2N-LF	8.2 $\pm$ 30%	375	0.56	0.98	100KHz
SDC2D14J-100M-LF	10 $\pm$ 20%	420	0.51	0.93	100KHz
SDC2D14J-120M-LF	12 $\pm$ 20%	610	0.48	0.78	100KHz
SDC2D14J-150M-LF	15 $\pm$ 20%	695	0.43	0.73	100KHz
SDC2D14J-220M-LF	22 $\pm$ 20%	820	0.35	0.63	100KHz

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- Irms : The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta= +25 $^{\circ}\text{C}$)
- Operating temperature range -25 $^{\circ}\text{C}$ to +125 $^{\circ}\text{C}$, Electrical specifications at 25 $^{\circ}\text{C}$.
- Packing : 7" reel, machine-ready ,embossed plastic tape (1,000 parts per full reel).