



# SDC4D18C SERIES

## Low Profile Shielded Power Inductors



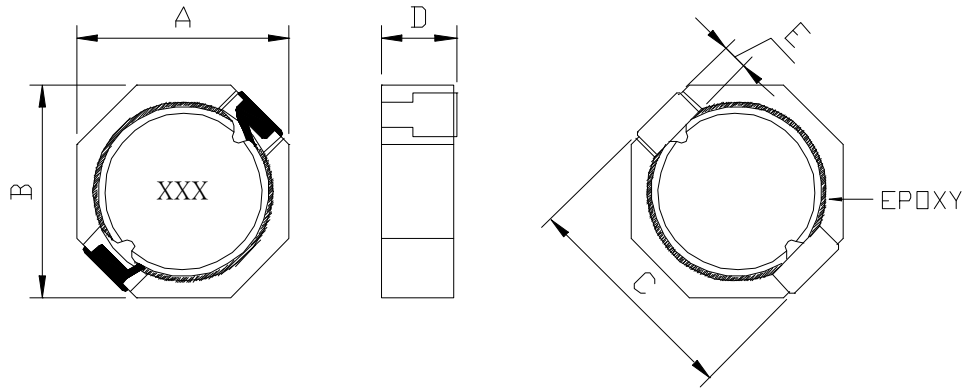
RoHS Compliant

### PART NUMBERING SYSTEM

<u>SDC</u>	<u>4 D 1 8 C</u>	—	<u>1 R 1 N</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### SHAPES AND DIMENSIONS

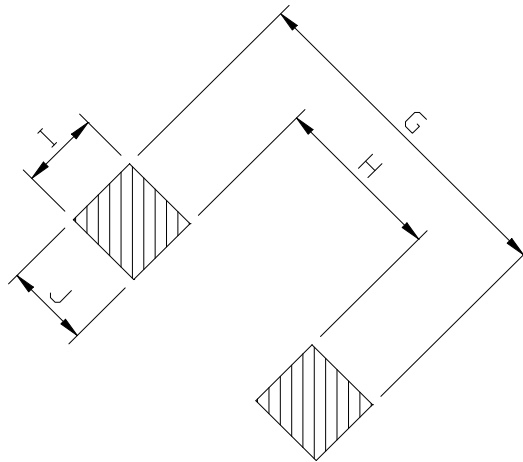
UNIT : mm



A=5.10 max. B=5.10 max. C=6.50 max. D=2.0 max. E=0.60 REF

### RECOMMENDED PATTERNS

UNIT : mm



G= 6.5 H= 4.0 I = 2.0 J = 1.25



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#### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR (m $\Omega$ ) (max)	Isat ( mA ) (max)	TEST FREQ. ( f )
SDC4D18C-1R1N-LF	1.1 $\pm$ 30%	29	2400	100KHz
SDC4D18C-2R2N-LF	2.2 $\pm$ 30%	39	1700	100KHz
SDC4D18C-3R0N-LF	3.0 $\pm$ 30%	61	1500	100KHz
SDC4D18C-4R7N-LF	4.7 $\pm$ 30%	110	1150	100KHz
SDC4D18C-6R8N-LF	6.8 $\pm$ 30%	125	1050	100KHz
SDC4D18C-100N-LF	10 $\pm$ 25%	156	830	100KHz
SDC4D18C-150N-LF	15 $\pm$ 25%	194	700	100KHz
SDC4D18C-220N-LF	22 $\pm$ 25%	323	600	100KHz
SDC4D18C-330N-LF	33 $\pm$ 25%	550	460	100KHz
SDC4D18C-470N-LF	47 $\pm$ 25%	783	410	100KHz
SDC4D18C-680N-LF	68 $\pm$ 25%	1160	305	100KHz
SDC4D18C-101N-LF	100 $\pm$ 25%	1510	250	100KHz

- Isat: DC current at which the inductance drops 35% (typ) from its value without current.
- Storage temperature range : - 40°C to + 125°C
- Operating temperature range : - 40°C to + 85°C ( Range in application specific )
- Electrical specifications at 25°C



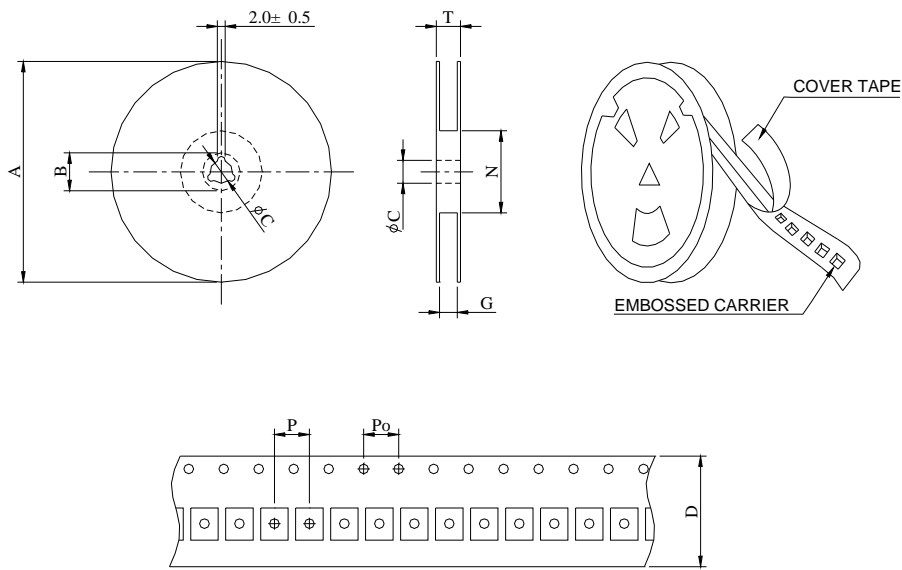
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### PACKAGING SPECIFICATION



SERIES	STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)								
			A	B±0.8	C±0.5	D	G <sup>+0</sup>	N <sup>0</sup>	P	Po	T
SDC4D18C	13-16	2000	330	21	13	16	18	50	8	4	22.4