

SDC4D14LD SERIES

Low Profile Shielded Power Inductors



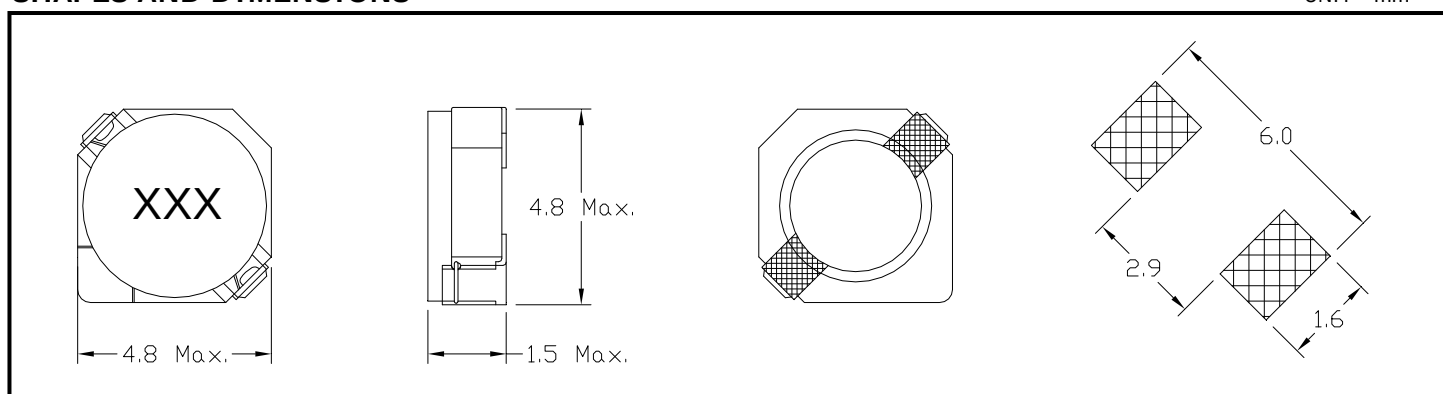
RoHS Compliant

PART NUMBERING SYSTEM

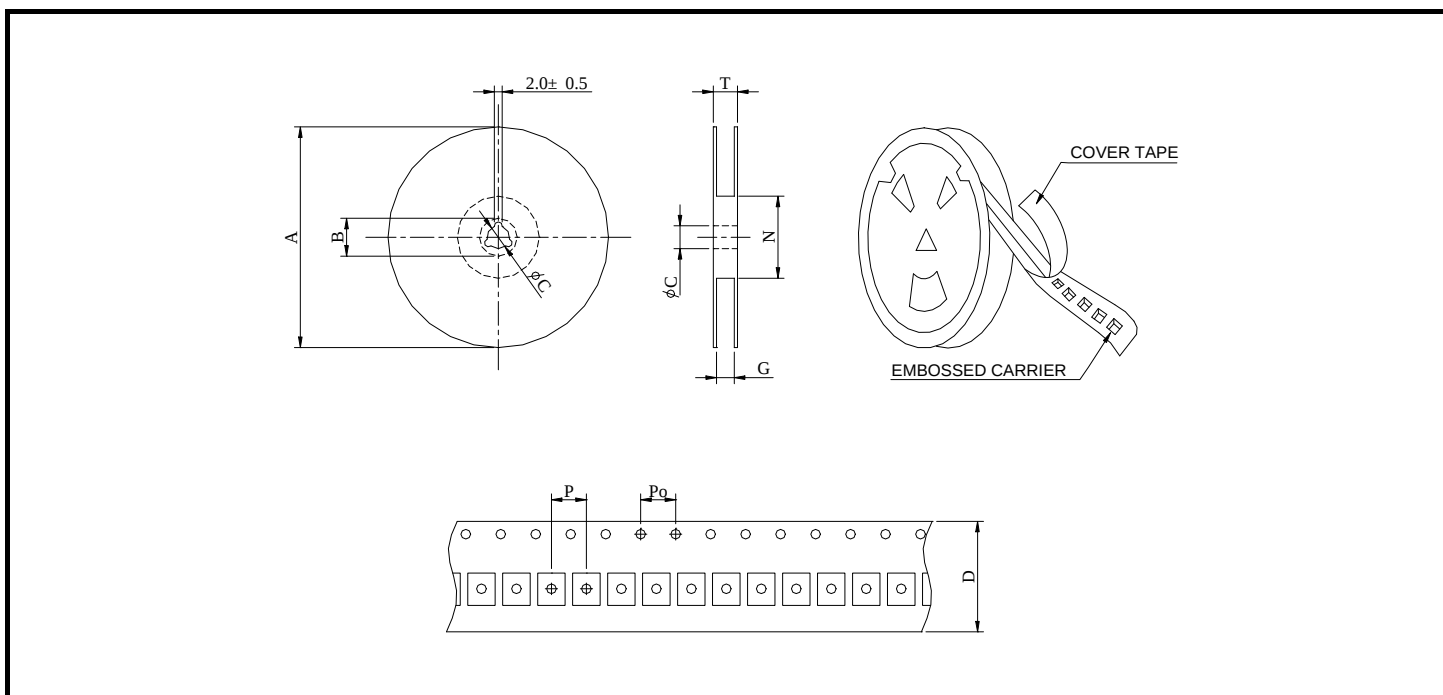
<u>SDC</u>	<u>4D14LD</u>	—	<u>3R3N</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

UNIT : mm



PACKAGING SPECIFICATION



SERIES	STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)								
			A	B±0.8	C±0.5	D	G ⁺⁰	N ⁻⁰	P	Po	T
SDC4D14LD	13-16	2000	330	21	13	16	18	50	8	4	22.4

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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) (Max.)	Isat (A) (Max.)	Irms (A) (Max.)	TEST FREQ. (f)
SDC4D14LD-2R2N-LF	2.2 $\pm$ 30%	40	1.05	2.60	100KHz
SDC4D14LD-3R0N-LF	3.0 $\pm$ 30%	50	0.98	2.30	100KHz
SDC4D14LD-4R7N-LF	4.7 $\pm$ 30%	66	0.78	1.90	100KHz
SDC4D14LD-6R8N-LF	6.8 $\pm$ 30%	96	0.64	1.55	100KHz
SDC4D14LD-100N-LF	10 $\pm$ 30%	135	0.52	1.08	100KHz
SDC4D14LD-150N-LF	15 $\pm$ 30%	210	0.42	0.88	100KHz
SDC4D14LD-220N-LF	22 $\pm$ 30%	300	0.35	0.73	100KHz
SDC4D14LD-330N-LF	33 $\pm$ 30%	420	0.28	0.56	100KHz
SDC4D14LD-470N-LF	47 $\pm$ 30%	570	0.24	0.48	100KHz
SDC4D14LD-680N-LF	68 $\pm$ 30%	870	0.21	0.41	100KHz
SDC4D14LD-101N-LF	100 $\pm$ 30%	1350	0.16	0.32	100KHz
SDC4D14LD-151N-LF	150 $\pm$ 30%	2050	0.14	0.23	100KHz
SDC4D14LD-221N-LF	220 $\pm$ 30%	2650	0.11	0.20	100KHz

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.
- Packing : 13" reel, machine-ready ,embossed plastic tape (2,000 parts per full reel).