



## SDC4D14HP SERIES~ SMD Shielded Power Inductors

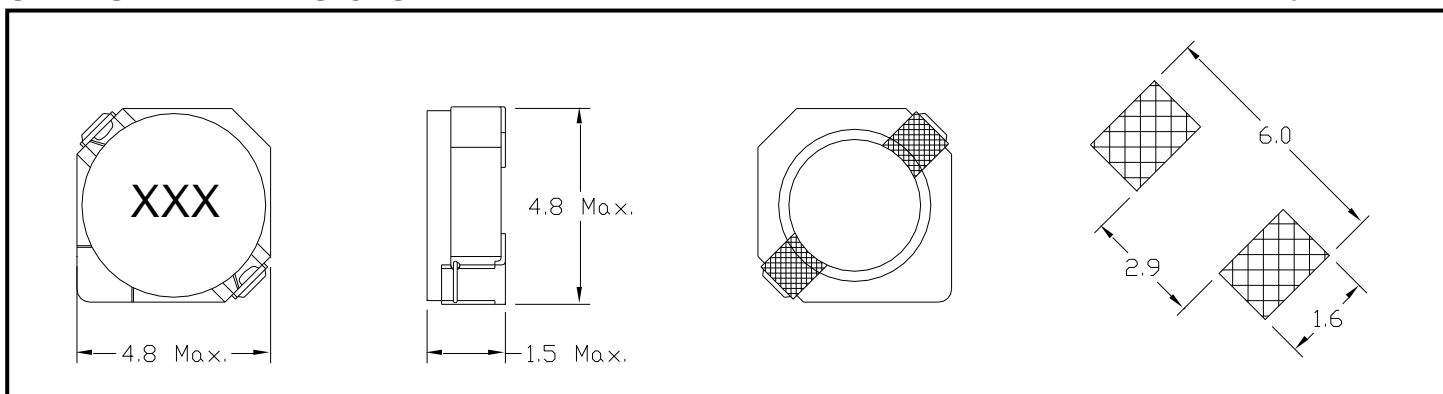


### PART NUMBERING SYSTEM

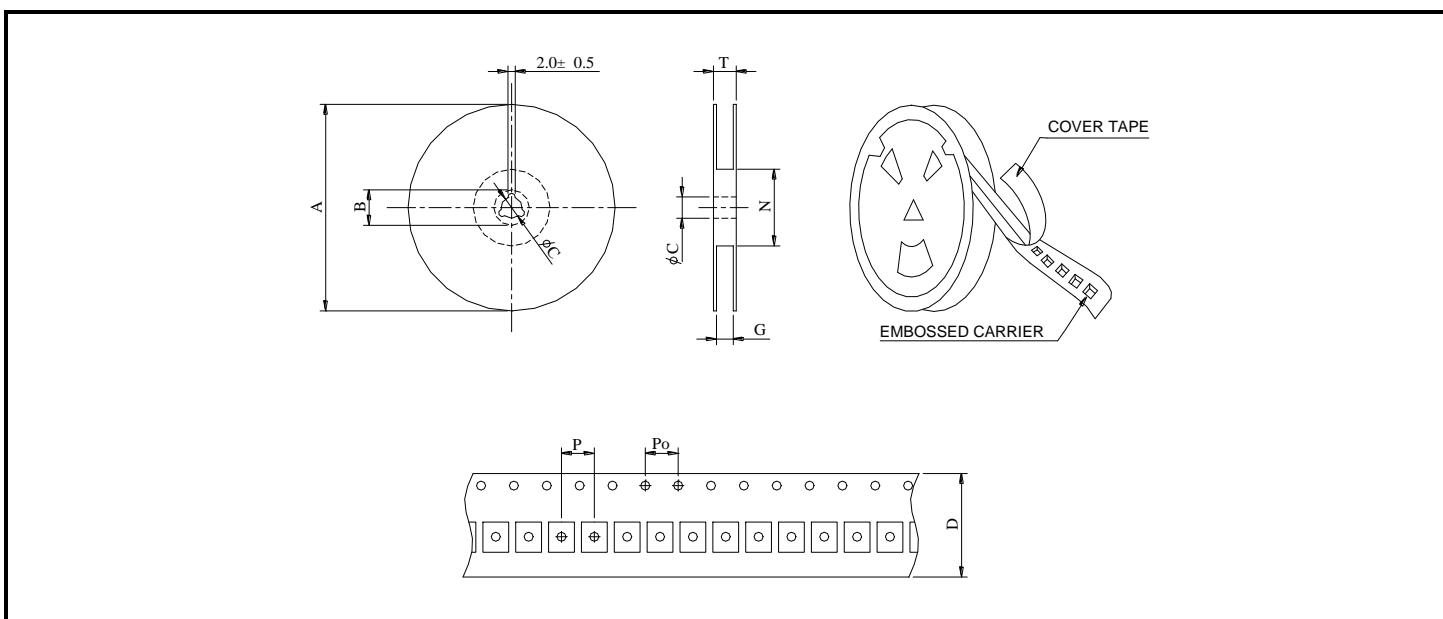
<b>SDC</b>	<b>4D14HP</b>	—	<b>100N</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### SHAPES AND DIMENSIONS

UNIT : mm



### PACKAGING SPECIFICATION



SERIES	STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)								
			A	B±0.8	C±0.5	D	G <sup>+0</sup>	N <sup>0</sup>	P	Po	T
SDC4D14HP	13-16	2000	330	21	13	16	18	50	8	4	22.4

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### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR (m $\Omega$ ) (Max.)	Isat (A) ( Max. )	Irms (A) ( Max. )	TEST FREQ. ( f )
SDC4D14HP-1R8N-LF	1.8 $\pm$ 30%	50	2.25	2.30	100KHz
SDC4D14HP-2R4N-LF	2.4 $\pm$ 30%	70	2.00	1.80	100KHz
SDC4D14HP-3R0N-LF	3.0 $\pm$ 30%	91	1.80	1.60	100KHz
SDC4D14HP-4R7N-LF	4.7 $\pm$ 30%	140	1.40	1.10	100KHz
SDC4D14HP-6R8N-LF	6.8 $\pm$ 30%	190	1.15	0.92	100KHz
SDC4D14HP-100N-LF	10 $\pm$ 30%	280	0.95	0.75	100KHz
SDC4D14HP-150N-LF	15 $\pm$ 30%	410	0.75	0.62	100KHz
SDC4D14HP-220N-LF	22 $\pm$ 30%	620	0.62	0.52	100KHz
SDC4D14HP-330N-LF	33 $\pm$ 30%	930	0.51	0.39	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 $^{\circ}\text{C}$  )
- Operating temperature range -40 $^{\circ}\text{C}$  to +125 $^{\circ}\text{C}$  , Electrical specifications at 25 $^{\circ}\text{C}$ .