



SDC105RHP SERIES - SMD Power Inductors

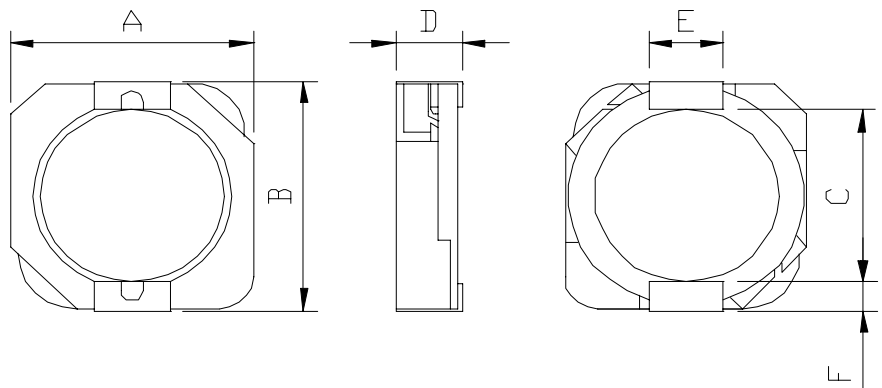


PART NUMBERING SYSTEM

SDC	1 0 5 R H P	—	3 3 1 M
TYPE	DIMENSIONS		INDUCTANCE

SHAPES AND DIMENSIONS

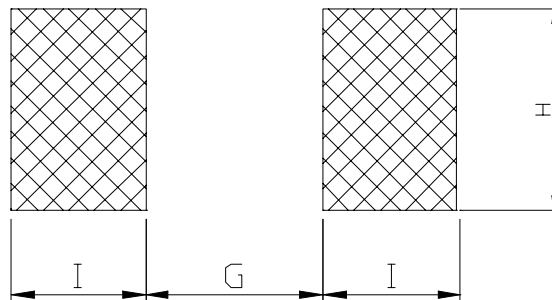
UNIT : mm



A=10.3 max. B=10.5 max. C=7.70 REF D=5.1 max. E=3.0 REF F=1.2 REF

RECOMMENDED PATTERNS

UNIT : mm



H= 3.2 G= 7.30 I = 1.60 J =1.60

FEATURES

- Compact and Low profile (5.1mm max. height) and 10.3mmx10.5mm max. square.
- Magnetically shielded and low DC resistance ..
- Choke coils for DC-DC converter inductor , LCD panels , DVD players Computer and portable power devices applications .



SDC105RHP SERIES

ELECTRICAL CHARACTERISTICS :

PART NUMBER	INDUCTANCE (μ H)	DCR ($m\Omega$) (Max.)	IDC (A)	TEST FREQ. (f)
SDC105RHP-1R1M	1.1	7.6	16.0	100KHz
SDC105RHP-1R5M	1.5	9.2	12.0	100KHz
SDC105RHP-3R0M	3.0	14.5	9.8	100KHz
SDC105RHP-4R2M	4.2	16.7	8.7	100KHz
SDC105RHP-5R6M	5.6	21.9	7.8	100KHz
SDC105RHP-7R2M	7.2	24.2	6.6	100KHz
SDC105RHP-100M	10	33.8	5.7	100KHz
SDC105RHP-150M	15	42.5	4.8	100KHz
SDC105RHP-220M	22	61.5	4.0	100KHz
SDC105RHP-330M	33	81.9	3.2	100KHz
SDC105RHP-470M	47	115	2.7	100KHz
SDC105RHP-560M	56	126	2.5	100KHz
SDC105RHP-680M	68	158	2.2	100KHz
SDC105RHP-820M	82	198	2.0	100KHz
SDC105RHP-101M	100	223	1.8	100KHz
SDC105RHP-121M	120	278	1.6	100KHz
SDC105RHP-151M	150	391	1.5	100KHz
SDC105RHP-181M	180	482	1.3	100KHz
SDC105RHP-221M	220	567	1.2	100KHz
SDC105RHP-331M	330	809	1.0	100KHz

*.Operating temperature range : -40 $^{\circ}$ C to + 85 $^{\circ}$ C . Electrical specifications at 25 $^{\circ}$ C .

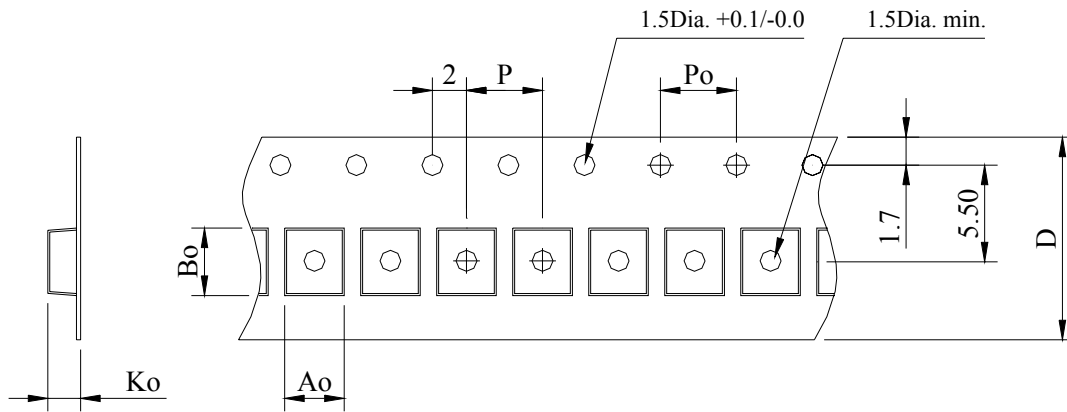
*.Infrared reflow temperature range : +260 $^{\circ}$ C . For 10 seconds .

*.The rated current indicate the current when the inductance decrease to 65% over of it's nominal value or D.C.current when the temperature rising $\Delta t=40^{\circ}$ C lower , whichever is lower .



SDC105RHP SERIES

PACKAGING SPECIFICATION



STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)					
		Ao	Bo	Ko	P	Po	D±0.3
13"	1,000	10.4	10.4	5.1	16.0	4.00	24.0