BADGER GLOBAL COMPONENTS
1510 Sylvania Ave #211 Sturtevant, WI 53177
262-884-9087 Fax 262-884-9082

SDC6D38 SERIES

SMD Shielded Power Inductors

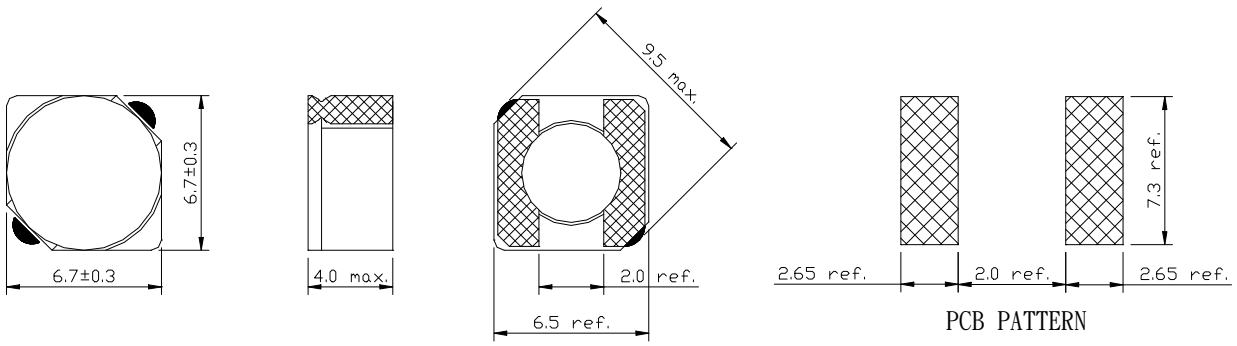
RoHS Compliant

PART NUMBERING SYSTEM

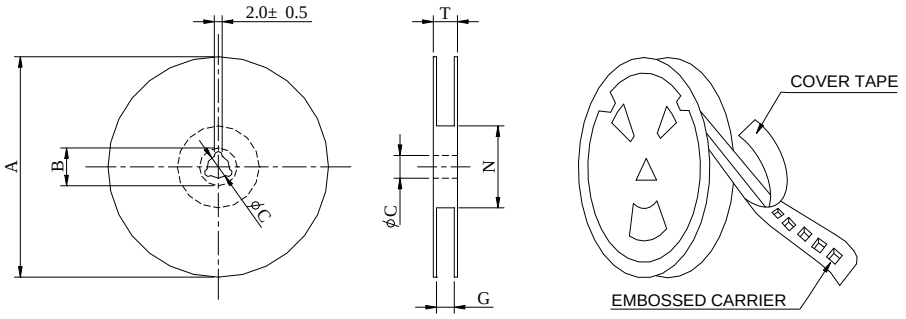
SDC	6D38	—	3R3N	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

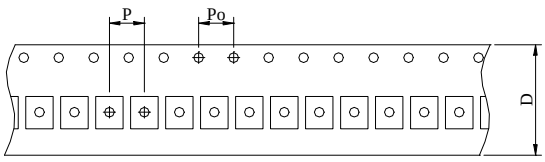
SHAPES AND DIMENSIONS

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
SDC6D38	13-16	1000	330	21	13	16	18	50	8	4	22.4

BADGER GLOBAL COMPONENTS
1510 Sylvania Ave #211 Sturtevant, WI 53177
262-884-9087 Fax 262-884-9082

SDC6D38 SERIES

SMD Shielded Power Inductors

RoHS Compliant

SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	DCR (mΩ) (Max.)	IDC (A)	TEST FREQ. (f)
SDC6D38-3R3N-LF	3.3±30%	20	3.50	10KHz
SDC6D38-5R0N-LF	5.0±30%	24	2.90	10KHz
SDC6D38-6R2N-LF	6.2±30%	27	2.50	10KHz
SDC6D38-7R4N-LF	7.4±30%	31	2.30	10KHz
SDC6D38-8R7N-LF	8.7±30%	34	2.20	10KHz
SDC6D38-100N-LF	10±30%	38	2.00	10KHz
SDC6D38-120N-LF	12±30%	53	1.70	10KHz
SDC6D38-150N-LF	15±30%	57	1.60	10KHz
SDC6D38-180N-LF	18±30%	92	1.50	10KHz
SDC6D38-220M-LF	22±20%	96	1.30	10KHz
SDC6D38-270M-LF	27±20%	109	1.20	10KHz
SDC6D38-330M-LF	33±20%	124	1.10	10KHz
SDC6D38-390M-LF	39±20%	138	1.00	10KHz
SDC6D38-470M-LF	47±20%	155	0.95	10KHz
SDC6D38-560M-LF	56±20%	202	0.85	10KHz
SDC6D38-680M-LF	68±20%	234	0.75	10KHz
SDC6D38-820M-LF	82±20%	324	0.70	10KHz
SDC6D38-101M-LF	100±20%	358	0.65	10KHz

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes △40°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 (1,000 parts per full reel).