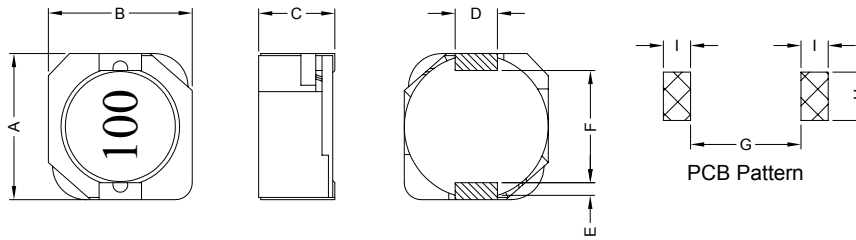


1. PART NO. EXPRESSION :

SDC10031R5YZF-□□
 (a) (b) (c) (d)(e)(f) (g)

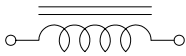
- (a) Series code
- (b) Dimension code
- (c) Inductance code : 1R5 = 1.5uH
- (d) Tolerance code : Y = ±30%
- (e) X, Y, Z : Standard part
- (f) F : RoHS Compliant
- (g) 11 ~ 99 : Internal controlled number

2. CONFIGURATION & DIMENSIONS :

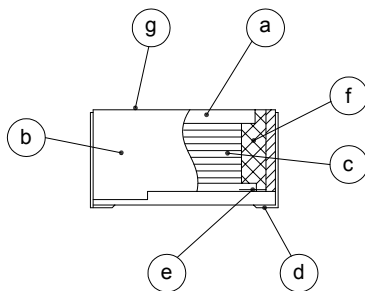


A	B	C	D	E	F	G	H	I
10.3±0.3	10.0±0.3	3.8±0.2	3.0±0.1	1.5±0.2	7.3±0.3	7.3 Ref.	3.2 Ref.	1.8 Ref.

3. SCHEMATIC :



4. MATERIALS :



- (a) Core : DR Ferrite Core
- (b) Core : RI Ferrite Core
- (c) Wire : Enamelled Copper Wire
- (d) Lead : Au+Ni Copper Plate
- (e) Adhesive : Epoxy
- (f) Adhesive : Epoxy
- (g) Ink : Bon Margue

5. GENERAL SPECIFICATION :

- a) Rated current : $\Delta L/L0A=35\%$ Max.
- b) Storage temp. : -40°C to +125°C
- c) Operating temp. : -40°C to +85°C
- d) Resistance to solder heat : 260°C.10 secs



RoHS Compliant

NOTE : Specifications subject to change without notice. Please check our website for latest information.



6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Test Freq. (Hz)	RDC (m Ω) Max.	IDC (A) Max.
SDC10031R5YZF-□□	1.50 \pm 30%	1V/100K	8.1	10.00
SDC10032R5YZF-□□	2.50 \pm 30%	1V/100K	10.0	7.50
SDC10033R8YZF-□□	3.80 \pm 30%	1V/100K	13.0	6.00
SDC10035R2YZF-□□	5.20 \pm 30%	1V/100K	22.0	5.50
SDC10037R0YZF-□□	7.00 \pm 30%	1V/100K	27.0	4.80
SDC1003100YZF-□□	10.00 \pm 30%	1V/100K	35.0	4.40
SDC1003150YZF-□□	15.00 \pm 30%	1V/100K	50.0	3.60
SDC1003220YZF-□□	22.00 \pm 30%	1V/100K	73.0	2.90
SDC1003330YZF-□□	33.00 \pm 30%	1V/100K	93.0	2.30
SDC1003470YZF-□□	47.00 \pm 30%	1V/100K	128.0	2.10
SDC1003680YZF-□□	68.00 \pm 30%	1V/100K	213.0	1.50
SDC1003820YZF-□□	82.00 \pm 30%	1V/100K	283.0	1.45
SDC1003101YZF-□□	100.00 \pm 30%	1V/100K	304.0	1.35
SDC1003151YZF-□□	150.00 \pm 30%	1V/100K	506.0	1.15
SDC1003221YZF-□□	220.00 \pm 30%	1V/100K	756.0	0.92
SDC1003331YZF-□□	330.00 \pm 30%	1V/100K	1090.0	0.70



RoHS Compliant

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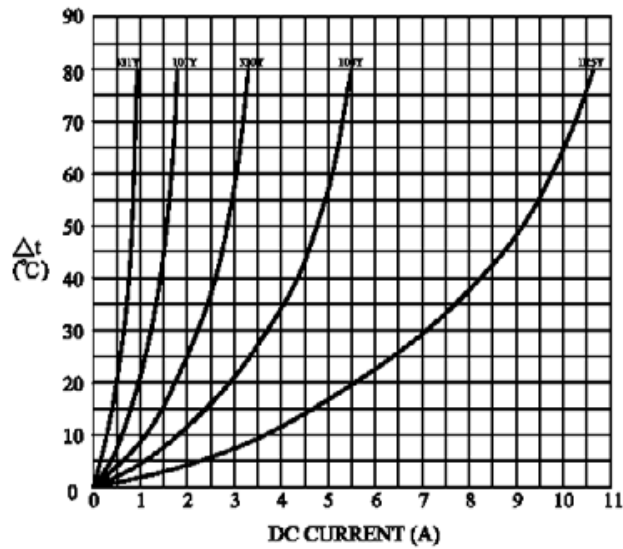
01.10.2010



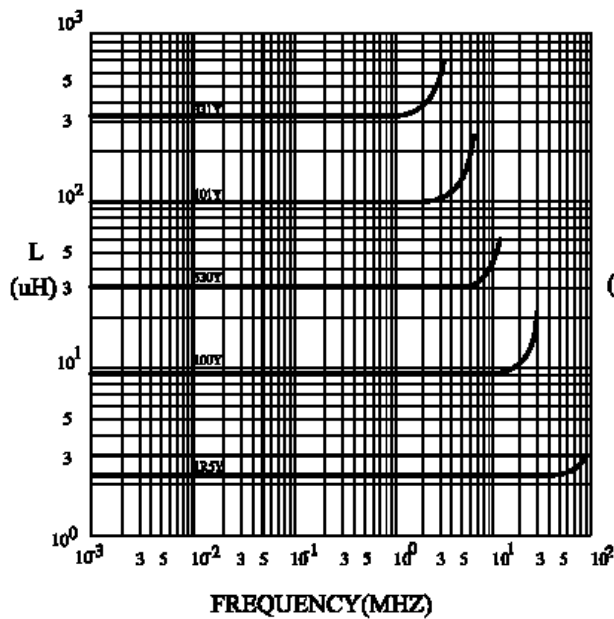
SUPERWORLD ELECTRONICS (S) PTE LTD

7. CHARACTERISTICS CURVES :

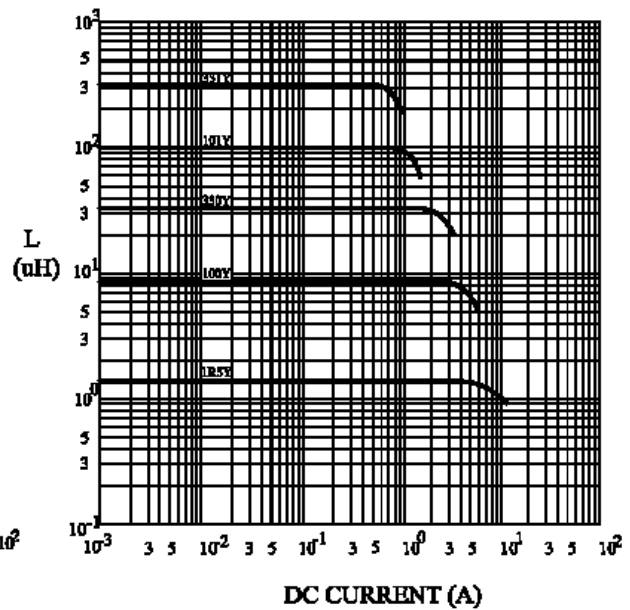
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



RoHS Compliant

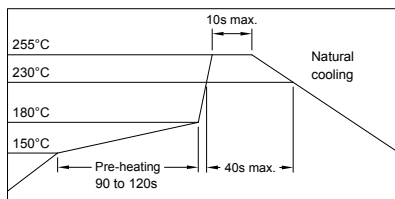
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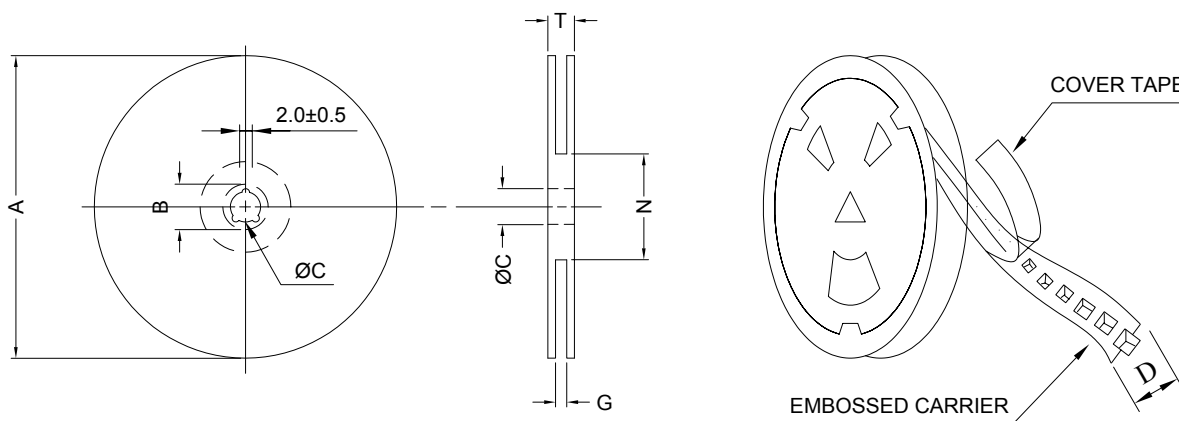
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RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS

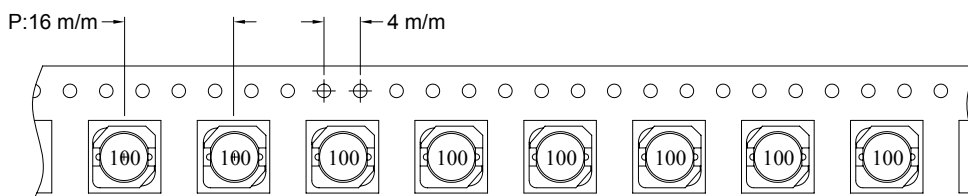


8. PACKAGING INFORMATION :

(1) CONFIGURATION



* CARRIER TAPE WIDTH : D



(2) DIMENSIONS

Unit:m/m

STYLE	A	B	C	D	G	N	T
13-24	330	21±0.8	13	24	26 ⁺⁰	50 ⁻⁰	30.4

(3) Q'TY & G.W. PER PACKAGE

SERIES	INNER : REEL			OUTER : CARTON		
	Q'TY (PCS)	G.W. (gw)	STYLE	Q'TY (PCS)	G.W. (Kg)	SIZE (cm)
SDC1003	600	900	13-24	2400	7.1	40 x 40 x 24



RoHS Compliant

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01.10.2010

