

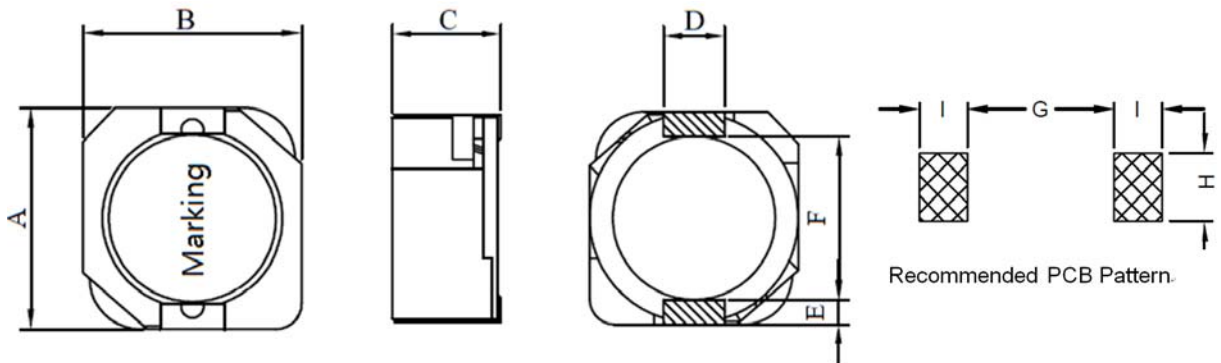
1. Part No. Expression:

S D C 1 0 0 3 1 R 5 Y W F

(a) (b) (c) (d)(e)(f)

- (a) Series Code
- (b) Dimension Code
- (c) Inductance Code
- (d) Tolerance Code
- (e) Standard Part
- (f) RoHS Compliant

2. Configuration & Dimensions :



Note: Marking: Inductance code.

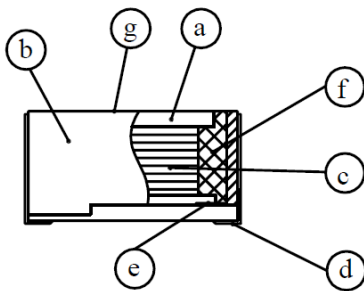
Unit: mm

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	1.2 ± 0.2	7.6 ± 0.3	7.3 Ref.	3.2 Ref.	1.8 Ref.

3. Schematic:



4. Material List:



- a) Core
- b) Core
- c) Wire
- d) Terminal
- e) Adhesive
- f) Adhesive
- g) Ink

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



5. General Specification:

- a) Operating Temp. : -40°C to +125°C.
- b) Storage Temp. : -40°C to +125°C.
- c) Temperature rise. : 40°C Typ. At Irms.
- d) The inductance drop is 35% Max. At Isat.

6. Electrical Characteristics:

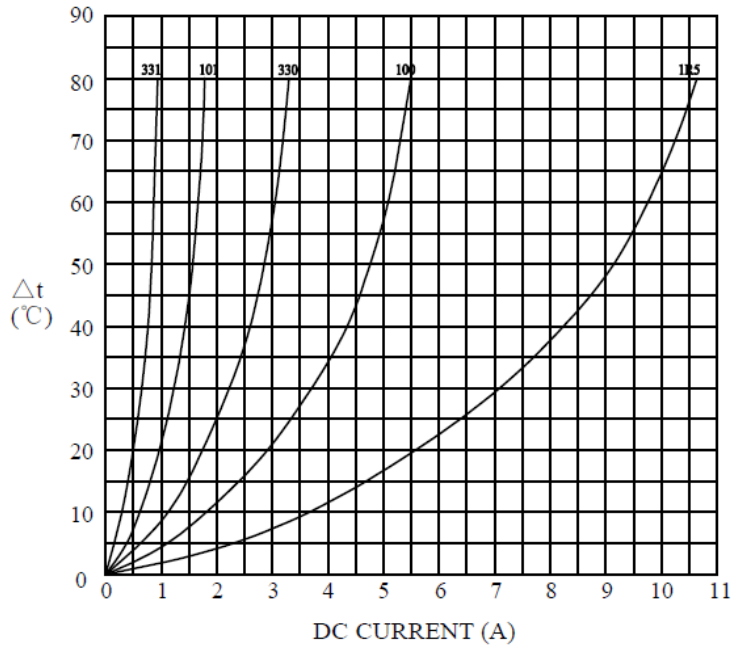
Part Number	Inductance (μH) $\pm 30\%$	Test Frequency (Hz)	DCR (m Ω) Max.	Isat (A) Max.	Irms (A) Max.
SDC10031R5YWF	1.5	1.0V/100K	8.10	10.00	6.80
SDC10032R5YWF	2.5	1.0V/100K	10.0	7.50	6.10
SDC10033R8YWF	3.8	1.0V/100K	13.0	6.00	5.20
SDC10035R2YWF	5.2	1.0V/100K	22.0	5.50	4.60
SDC10037R0YWF	7.0	1.0V/100K	27.0	4.80	4.30
SDC1003100YWF	10.0	1.0V/100K	35.0	4.40	3.80
SDC1003150YWF	15.0	1.0V/100K	50.0	3.60	3.20
SDC1003220YWF	22.0	1.0V/100K	73.0	2.90	2.50
SDC1003330YWF	33.0	1.0V/100K	93.0	2.30	2.10
SDC1003470YWF	47.0	1.0V/100K	128	2.10	1.80
SDC1003680YWF	68.0	1.0V/100K	213	1.50	1.50
SDC1003820YWF	82.0	1.0V/100K	283	1.45	1.24
SDC1003101YWF	100.0	1.0V/100K	304	1.35	1.20
SDC1003151YWF	150	1.0V/100K	506	1.15	1.00
SDC1003221YWF	220	1.0V/100K	756	0.92	0.80
SDC1003331YWF	330	1.0V/100K	1090	0.70	0.70

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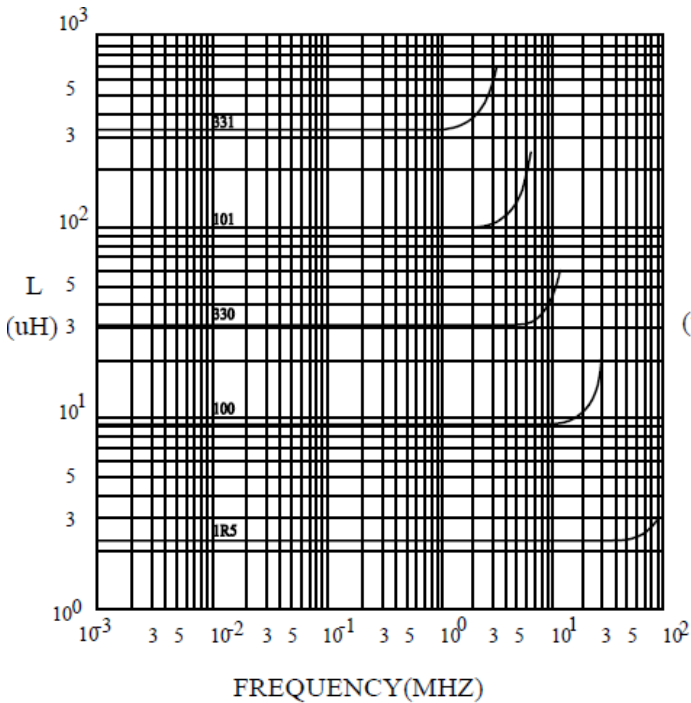


7. Characteristic Curve:

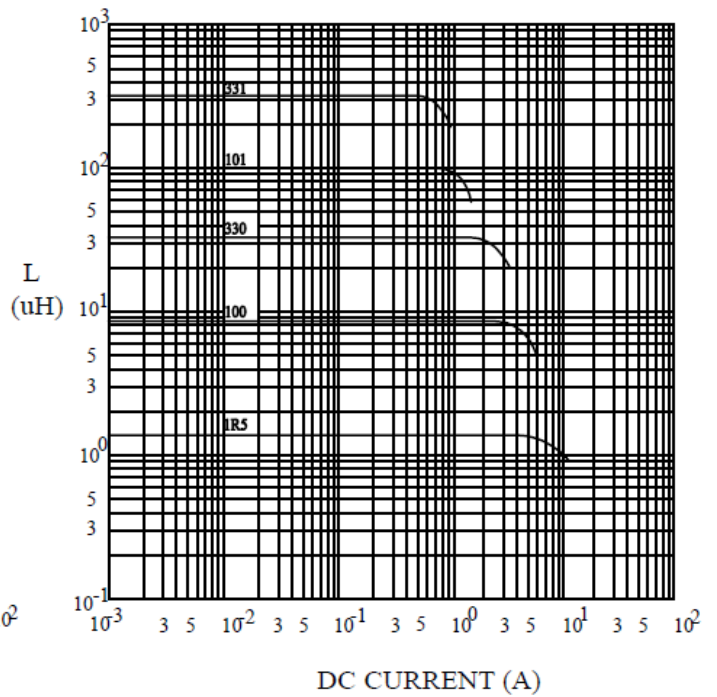
Temp. Rise vs DC Current



Inductance vs Frequency



Inductance vs DC Current

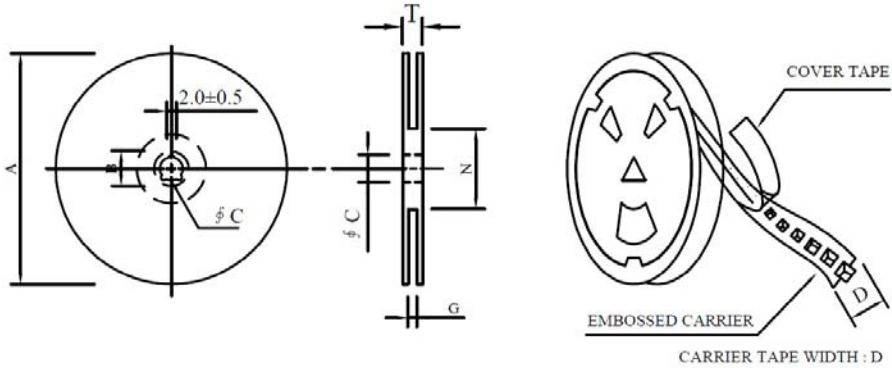


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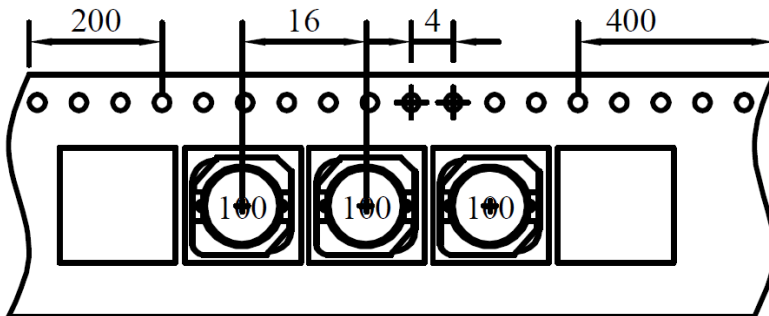
8. Packaging Information:

8-1 Reel Dimension



Type	A (mm)	B (mm)	C (mm)	D (mm)	G (mm)	N (mm)	T (mm)
13-24	330	21.0±0.8	13	24	26 Max.	100 Min.	30.4

8-2 Tape Dimension



8-3. Quantity & G.W. Per Package

Series	Inner: Reel			Outer: Carton		
	Qty (pcs)	G.W (gw)	Style	Qty (pcs)	G.W (kg)	Size (cm)
SDC1003	600	900	13-24	2400	7.10	36 x 35.5 x 14.3

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