

1. PART NO. EXPRESSION :

SSC 0502 4R1 YZF
(a) (b) (c) (d)(e)(f)

(a) Series code

(b) Dimension code

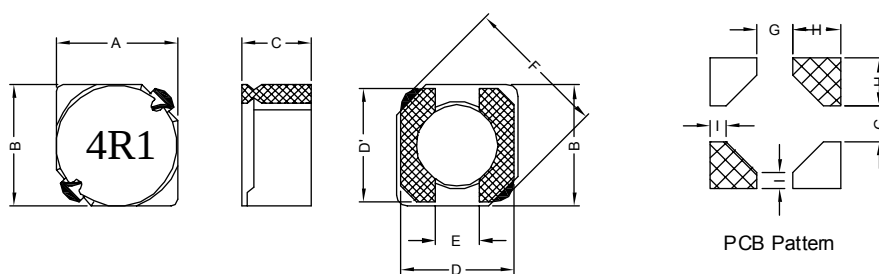
(c) Inductance code : 4R1 = 4.10uH

(d) Tolerance code : Y = $\pm 30\%$

(e) Z : Standard part

(f) F : RoHS Compliant

2. CONFIGURATION & DIMENSIONS :



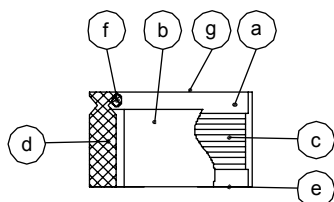
Unit : m/m

A	B	C	D	D'	E	F	G	H	I
5.70 $\pm$ 0.3	5.70 $\pm$ 0.3	2.00 Max.	5.50 Ref.	5.50 Ref.	2.00 Ref.	8.20 Max.	2.20 Ref.	2.05 Ref.	0.85 Ref.

3. SCHEMATIC :



4. MATERIALS :



(a) DR Core

(b) RI Core

(c) Wire

(d) Terminal

(e) Adhesive

(f) Adhesive

(g) Ink

5. GENERAL SPECIFICATION :

- a) Temp. rise : 40° C Max. at Rated Current
- b) $\Delta L/L0A$: 35% Max. at Rated Current
- c) Operating temp. : -40° C to +125° C
- d) Storage condition (component in its packaging)
 - i) Temperature : -10 to 40° C
 - ii) Humidity : 60%
- e) Resistance to solder heat : 260° C.10 secs



RoHS Compliant

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6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Test Frequency (Hz)	RDC (m Ω) Max.	IDC (A) Max.
SSC05024R1YZF	4.1 $\pm$ 30%	0.5V / 10K	57	1.95
SSC05025R4YZF	5.4 $\pm$ 30%	0.5V / 10K	76	1.60
SSC05026R2YZF	6.2 $\pm$ 30%	0.5V / 10K	96	1.40
SSC05028R9YZF	8.9 $\pm$ 30%	0.5V / 10K	116	1.25
SSC0502100YZF	10.0 $\pm$ 30%	0.5V / 10K	124	1.20
SSC0502120YZF	12.0 $\pm$ 30%	0.5V / 10K	153	1.10
SSC0502150YZF	15.0 $\pm$ 30%	0.5V / 10K	196	0.97
SSC0502180YZF	18.0 $\pm$ 30%	0.5V / 10K	210	0.85
SSC0502220YZF	22.0 $\pm$ 30%	0.5V / 10K	290	0.80
SSC0502270YZF	27.0 $\pm$ 30%	0.5V / 10K	330	0.75
SSC0502330YZF	33.0 $\pm$ 30%	0.5V / 10K	385	0.65
SSC0502390YZF	39.0 $\pm$ 30%	0.5V / 10K	520	0.57
SSC0502470YZF	47.0 $\pm$ 30%	0.5V / 10K	595	0.54
SSC0502560YZF	56.0 $\pm$ 30%	0.5V / 10K	665	0.50
SSC0502680YZF	68.0 $\pm$ 30%	0.5V / 10K	840	0.43
SSC0502820YZF	82.0 $\pm$ 30%	0.5V / 10K	978	0.41
SSC0502101YZF	100.0 $\pm$ 30%	0.5V / 10K	1200	0.36



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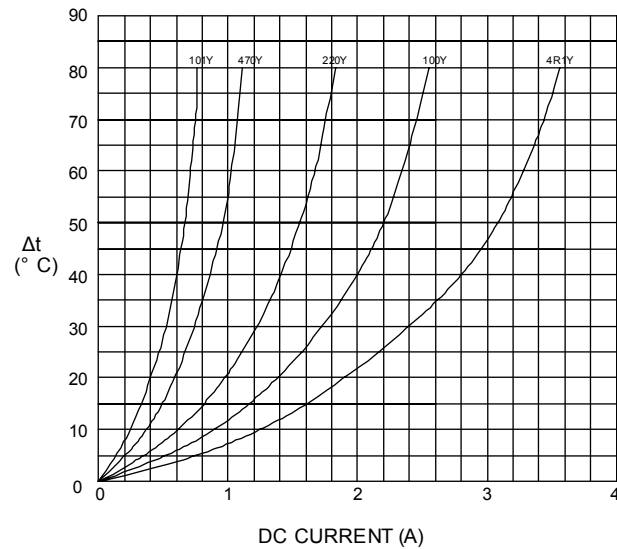


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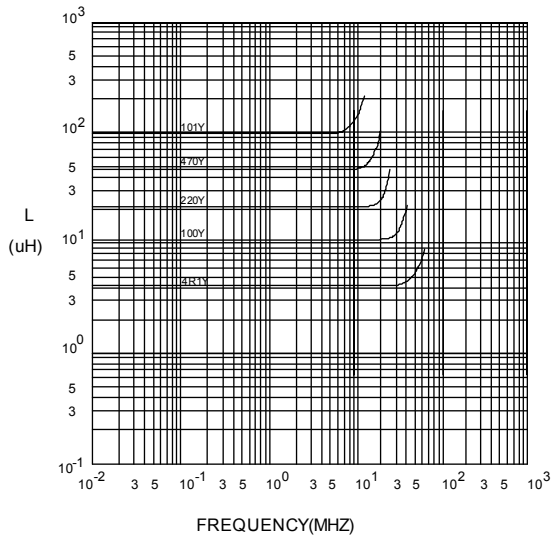
PG. 2

7. CHARACTERISTICS CURVES :

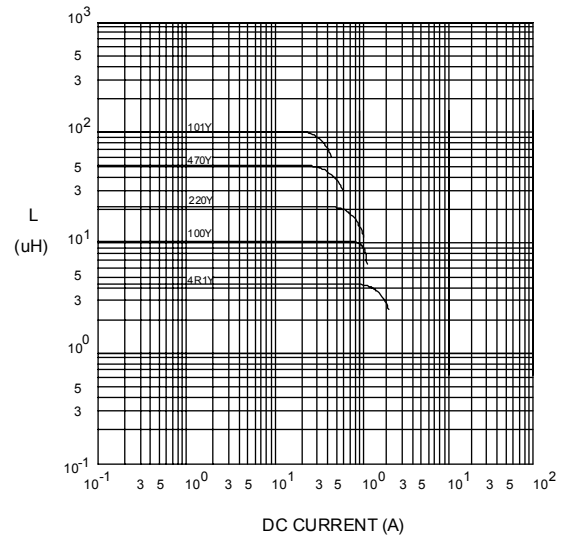
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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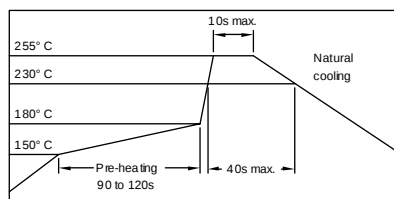
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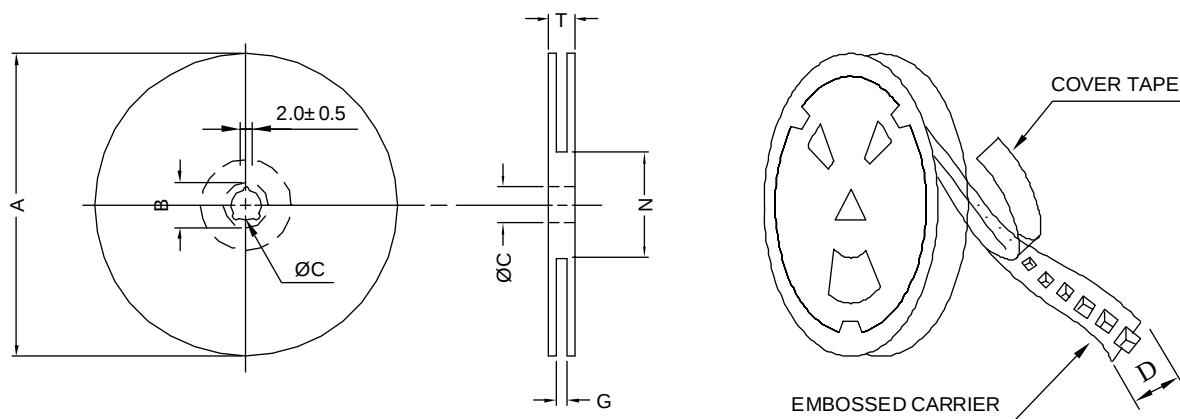
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RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS

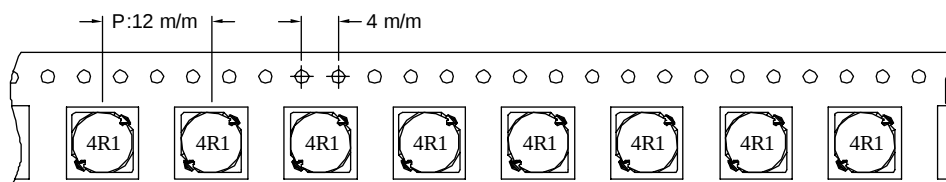


8. PACKAGING INFORMATION :

(1) CONFIGURATION



* CARRIER TAPE WIDTH : D



(2) DIMENSIONS

Unit:m/m

STYLE	A	B	C	D	G	N	T
13-16	330	21±0.8	13	16	18 ⁺⁰	50 ⁻⁰	22.4

(3) QTY & G.W. PER PACKAGE

SERIES	INNER : REEL			OUTER : CARTON		
	QTY (PCS)	G.W. (gw)	STYLE	QTY (PCS)	G.W. (Kg)	SIZE (cm)
SSC0502	2000	2400	13-16	12000	17.9	40 x 40 x 24



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