

1. PART NO. EXPRESSION :

STB 1306 R49 MZF
 (a) (b) (c) (d)(e)(f)

(a) Series code

(b) Dimension code

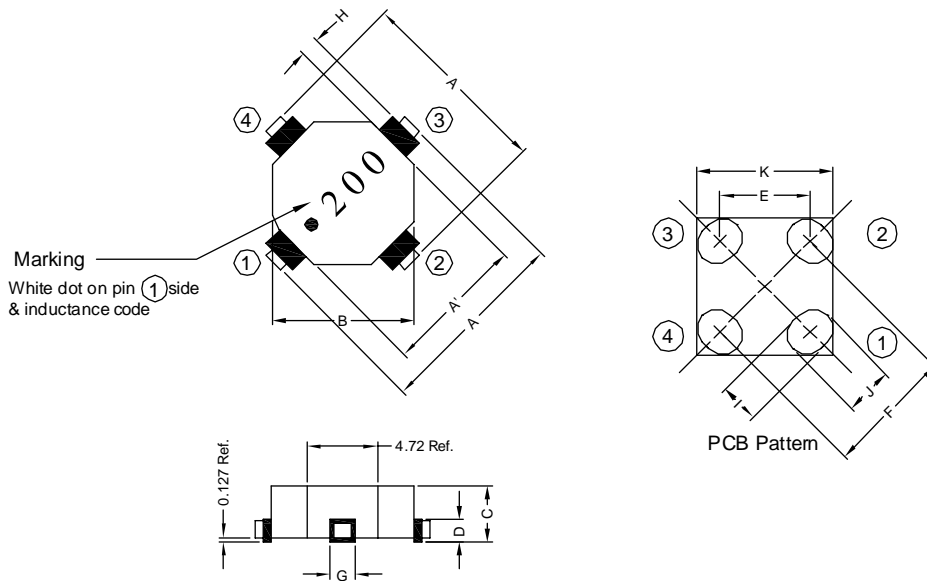
(c) Inductance code : R49 = 0.49uH

(d) Tolerance code : M = ±20%

(e) Z : Standard part

(f) F : RoHS Compliant

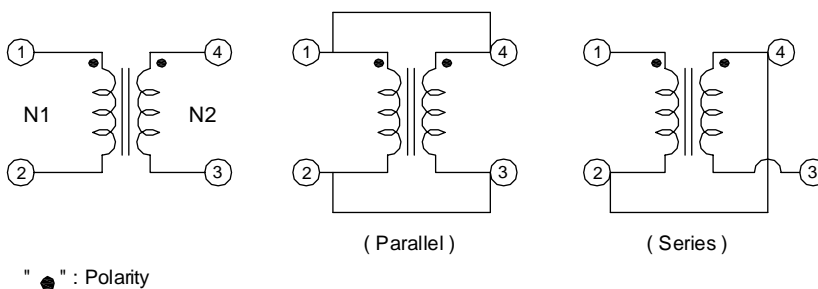
2. CONFIGURATION & DIMENSIONS :



Unit:m/m

A	A'	B	C	D	E	F	G	H	I	J	K
13.97 Typ.	11.43 Typ.	11.43 Typ.	6.35 Max.	3.05 Max.	8.84 Typ.	12.50 Typ.	3.55 Max.	0.76 Min.	3.05 Typ.	4.06 Typ.	12.50 Typ.

3. SCHEMATIC :



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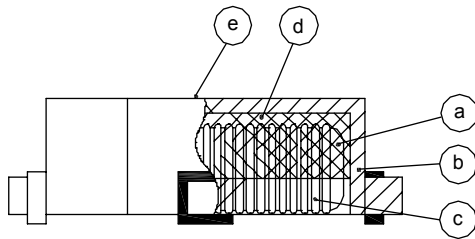
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4. MATERIALS :



- (a) Core
- (b) Base
- (c) Wire
- (d) Adhesive
- (e) Ink

5. GENERAL SPECIFICATION :

- a) Operating temp. : -40° C to +85° C
- b) Storage condition (component in its packaging)
 - i) Temperature : -10 to 40° C
 - ii) Humidity : 60%
- c) Resistance to solder heat : 260° C.10 secs

6. ELECTRICAL CHARACTERISTICS :

Part No.	Parallel					Series				
	L (μ H) $\pm 20\%$	L _{IDC} (μ H) Min.	Test Frequency (Hz)	RDC (Ω) Max.	IDC (A)	L (μ H) $\pm 20\%$	L _{IDC} (μ H) Min.	Test Frequency (Hz)	RDC (Ω) Max.	IDC (A)
STB1306R49MZF	0.49	0.37	0.25V/100K	0.0093	7.90	1.95	1.49	0.25V/100K	0.019	3.95
STB1306R76MZF	0.76	0.56	0.25V/100K	0.0112	7.20	3.05	2.24	0.25V/100K	0.023	3.60
STB13061R1MZF	1.10	0.81	0.25V/100K	0.0166	5.90	4.39	3.24	0.25V/100K	0.033	2.95
STB13061R9MZF	1.95	1.42	0.25V/100K	0.0274	4.60	7.81	5.69	0.25V/100K	0.055	2.30
STB13065R1MZF	5.15	3.56	0.25V/100K	0.0534	3.30	20.62	14.23	0.25V/100K	0.107	1.65
STB13067R8MZF	7.81	5.15	0.25V/100K	0.0653	3.00	31.23	20.61	0.25V/100K	0.131	1.50
STB13069R8MZF	9.88	6.70	0.25V/100K	0.0933	2.50	39.53	26.79	0.25V/100K	0.187	1.25
STB1306140MZF	14.76	9.52	0.25V/100K	0.1139	2.30	59.05	38.09	0.25V/100K	0.228	1.15
STB1306200MZF	20.62	13.44	0.25V/100K	0.1684	1.90	82.47	53.76	0.25V/100K	0.337	0.95
STB1306250MZF	25.65	17.17	0.25V/100K	0.2306	1.60	102.60	68.68	0.25V/100K	0.461	0.80
STB1306330MZF	33.21	22.93	0.25V/100K	0.3312	1.30	132.86	91.72	0.25V/100K	0.662	0.65
STB1306480MZF	48.80	32.21	0.25V/100K	0.4025	1.20	195.20	128.83	0.25V/100K	0.805	0.60
STB1306670MZF	67.37	43.04	0.25V/100K	0.4760	1.10	269.50	172.16	0.25V/100K	0.952	0.55
STB1306990MZF	99.09	69.54	0.25V/100K	1.1300	0.72	396.38	278.15	0.25V/100K	2.259	0.36

* Turns Ratio : 1 : 1

* Hi-Pot Test (N1-N2) : 300VDC 1mA 1SECOND



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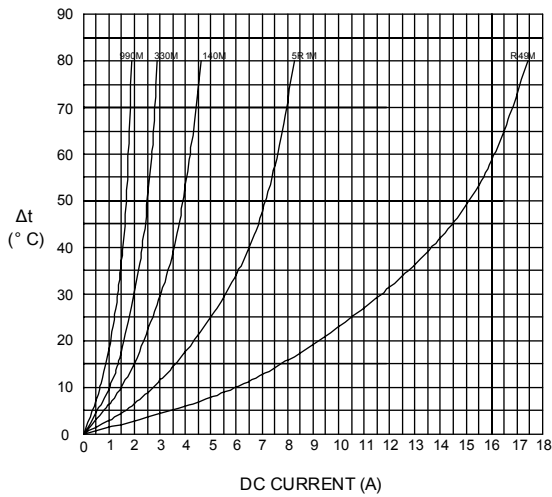
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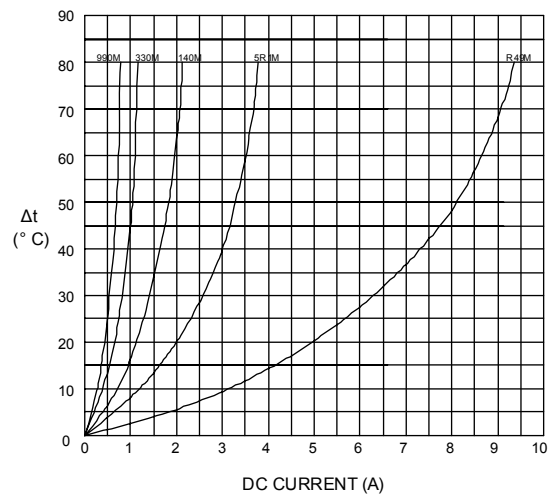
PG. 2

7. CHARACTERISTICS CURVES :

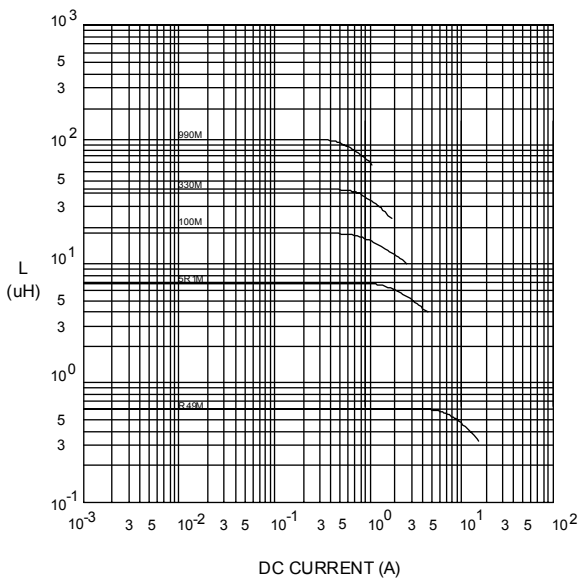
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE (PARA)



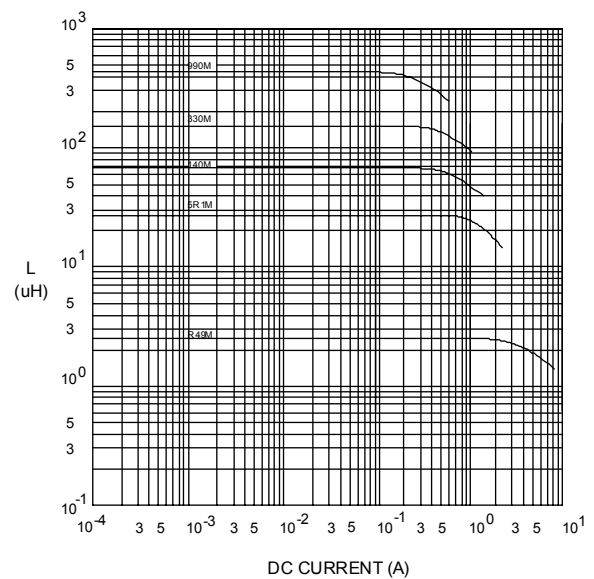
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE (SER)



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE (PARA)



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE (SER)



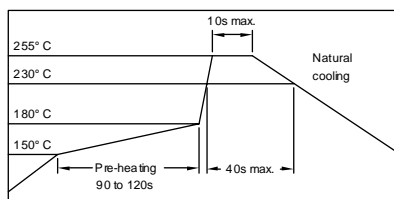
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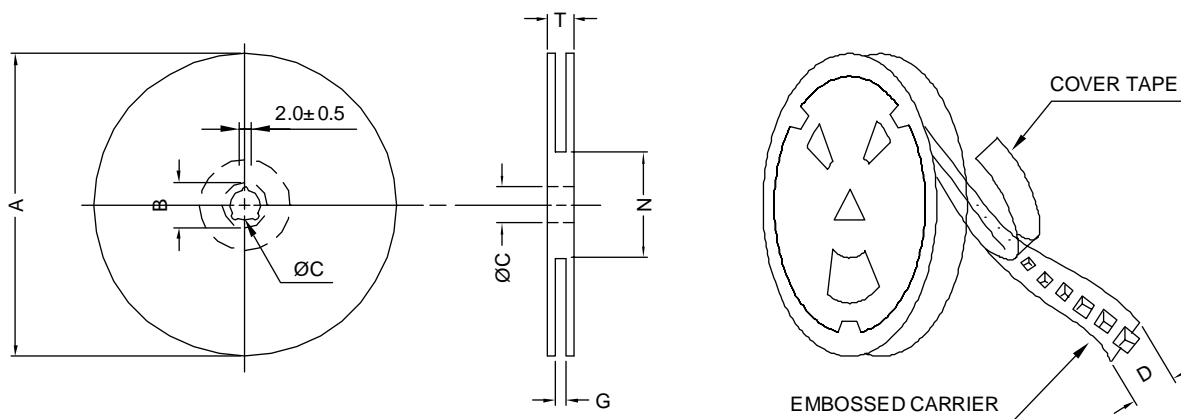


RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS

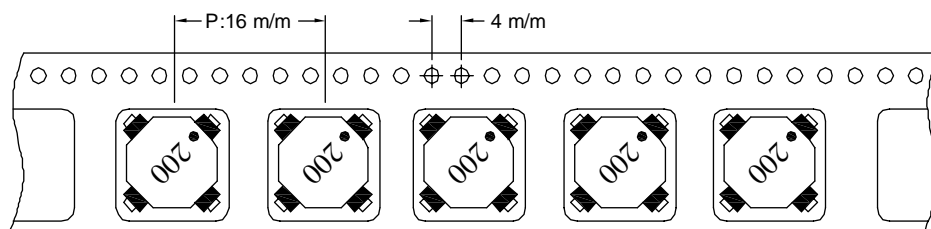


8. PACKAGING INFORMATION :

(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±0.5	24	26 ⁺⁰	50 ⁻⁰	30.4

(3) QTY & G.W. PER PACKAGE

SERIES	INNER : REEL			OUTER : CARTON		
	QTY (PCS)	G.W. (gw)	STYLE	QTY (PCS)	G.W. (Kg)	SIZE (cm)
STB1306	600	1900	13-24	2400	11.1	40 x 40 x 24



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