

1. PART NO. EXPRESSION :

P D B 2 5 0 6 1 0 1 M Z F
(a) (b) (c) (d)(e)(f)

(a) Series code

(b) Dimension code

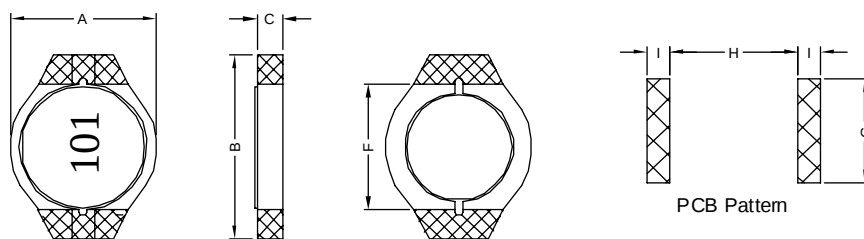
(c) Inductance code : 101 = 100.0uH

(d) Tolerance code : M = $\pm 20\%$

(e) Z : Standard part

(f) F : RoHS Compliant

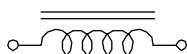
2. CONFIGURATION & DIMENSIONS :



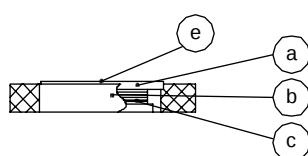
Unit: m/m

A	B	C	F	G	H	I
7.87 Max.	9.14 Max.	1.55 Max.	7.24 Max.	5.84 Ref.	7.24 Ref.	1.21 Ref.

3. SCHEMATIC :



4. MATERIALS :



(a) Core

(b) Base

(c) Wire

(d) Adhesive

(e) Ink

5. GENERAL SPECIFICATION :

- a) Temp. rise : 40° C Max. at I_{ms}
- b) L/L_{0A} = 10% Max. at I_{sat}
- c) Operating temp. : -40° C to +85° 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)	SRF (MHz) Typ.	RDC (Ω) Max.	Isat (A)	Irms (A)
PDB25064R7MZF	4.7 $\pm$ 20%	0.1V/100K	90.0	0.145	1.60	1.90
PDB25066R8MZF	6.8 $\pm$ 20%	0.1V/100K	75.0	0.165	1.30	1.70
PDB2506100MZF	10.0 $\pm$ 20%	0.1V/100K	60.0	0.240	1.00	1.50
PDB2506150MZF	15.0 $\pm$ 20%	0.1V/100K	45.0	0.300	0.90	1.30
PDB2506220MZF	22.0 $\pm$ 20%	0.1V/100K	35.0	0.420	0.70	1.00
PDB2506330MZF	33.0 $\pm$ 20%	0.1V/100K	30.0	0.550	0.60	0.90
PDB2506470MZF	47.0 $\pm$ 20%	0.1V/100K	22.0	0.765	0.50	0.70
PDB2506680MZF	68.0 $\pm$ 20%	0.1V/100K	20.0	1.100	0.40	0.60
PDB2506101MZF	100.0 $\pm$ 20%	0.1V/100K	15.0	1.600	0.30	0.50
PDB2506151MZF	150.0 $\pm$ 20%	0.1V/100K	12.0	2.500	0.25	0.40
PDB2506221MZF	220.0 $\pm$ 20%	0.1V/100K	10.0	3.650	0.22	0.32
PDB2506331MZF	330.0 $\pm$ 20%	0.1V/100K	8.0	4.650	0.18	0.28
PDB2506471MZF	470.0 $\pm$ 20%	0.1V/100K	6.5	6.750	0.14	0.24
PDB2506681MZF	680.0 $\pm$ 20%	0.1V/100K	5.5	9.150	0.12	0.20
PDB2506102MZF	1000.0 $\pm$ 20%	0.1V/100K	4.5	14.200	0.10	0.16



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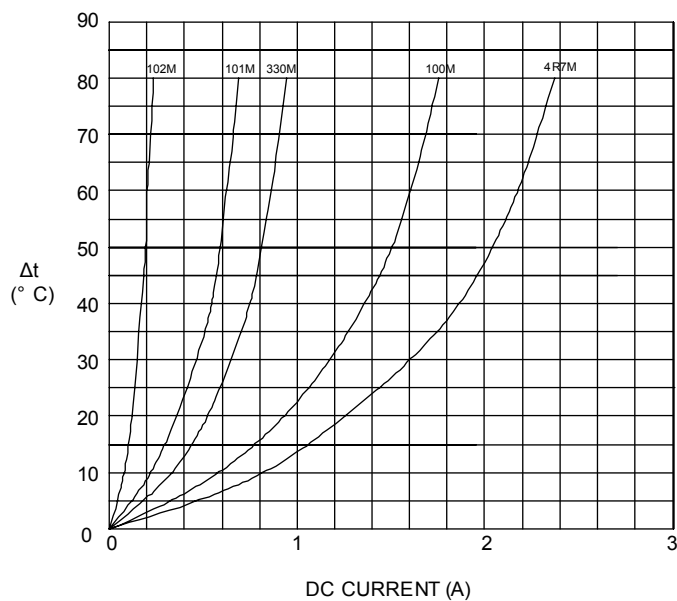


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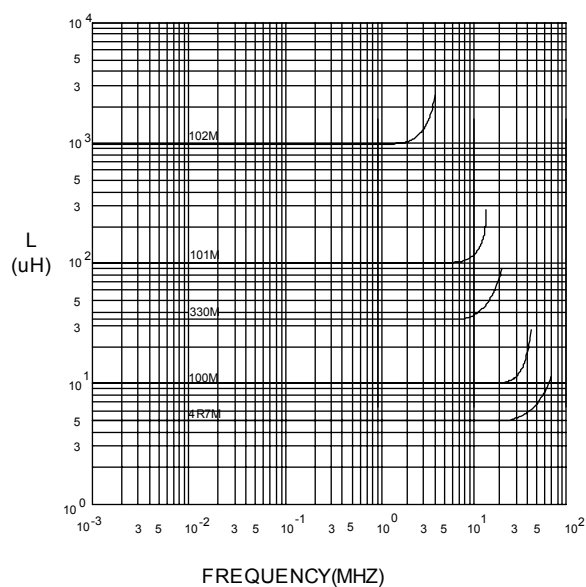
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7. CHARACTERISTICS CURVES :

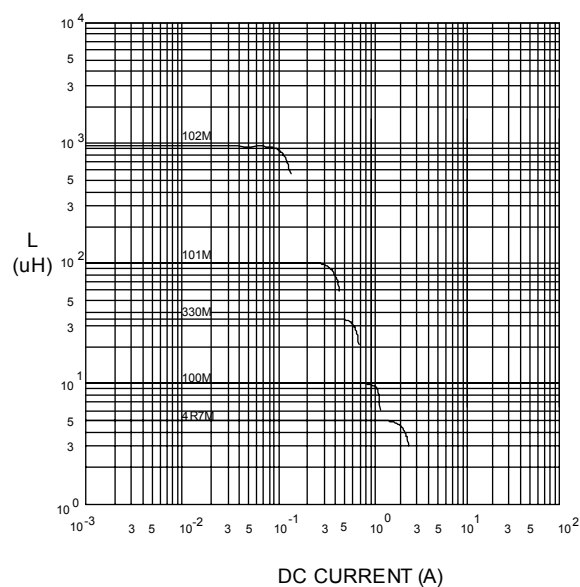
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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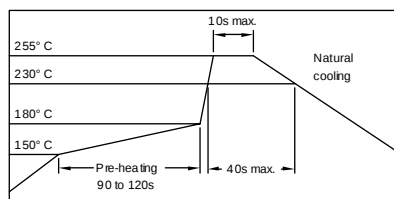
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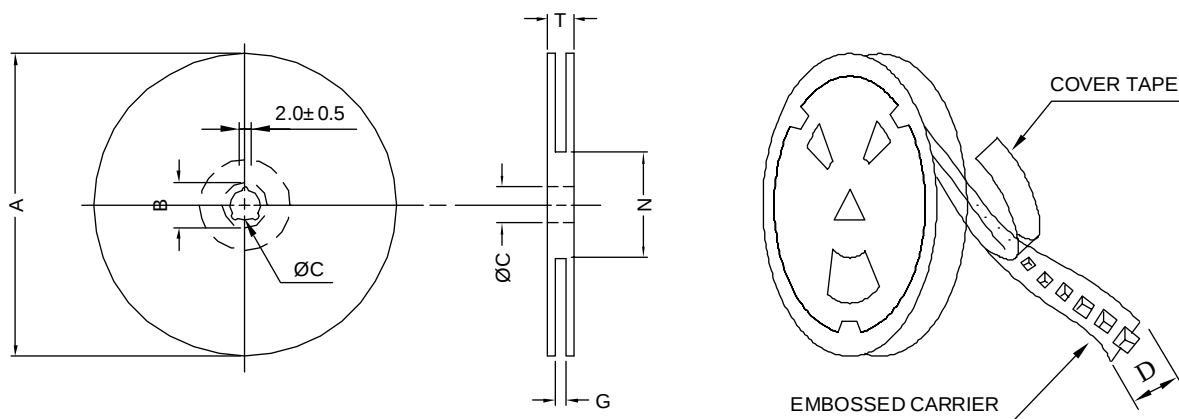
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RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS

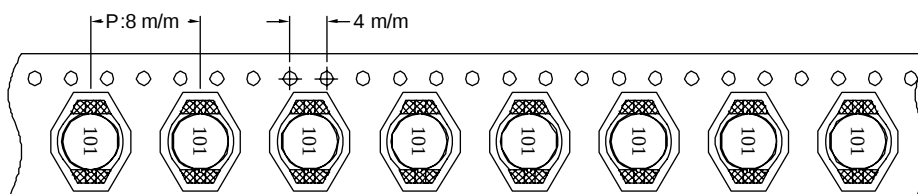


8. PACKAGING INFORMATION :

(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±0.5	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)
PDB2506	2000	600	13-16	12000	7.10	40 x 40 x 24



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