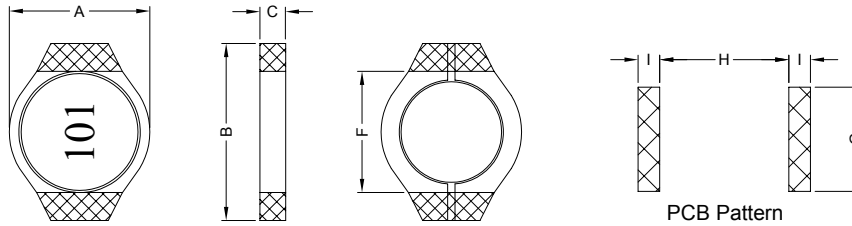


1. PART NO. EXPRESSION :

P D B 2 5 0 6 4 R 7 M Z F
 (a) (b) (c) (d)(e)(f)

- (a) Series code
- (b) Dimension code
- (c) Inductance code : 4R7 = 4.7uH
- (d) Tolerance code : M = ±20%
- (e) X, Y, Z : Standard part
- (f) F : Lead Free

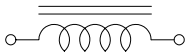
2. CONFIGURATION & DIMENSIONS :



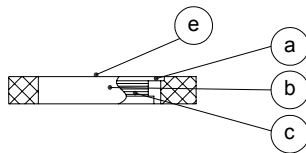
Unit:m/m

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 : DR Ferrite Core
- (b) Base : Ceramic Base
- (c) Wire : Enamelled Copper Wire
- (d) Adhesive : Epoxy
- (e) Ink : Bon Margue

5. GENERAL SPECIFICATION :

- a) Temp. rise : 40°C Typ. at Irms
- b) $\Delta L/L0A = 10\%$ Typ. at Isat
- c) Operating temp. : -40°C to +85°C
- d) Resistance to solder heat : 260°C.10 secs



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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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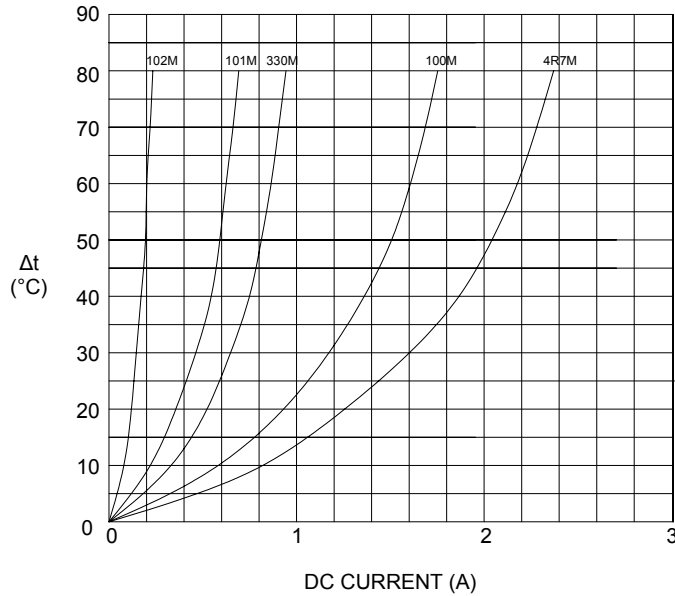


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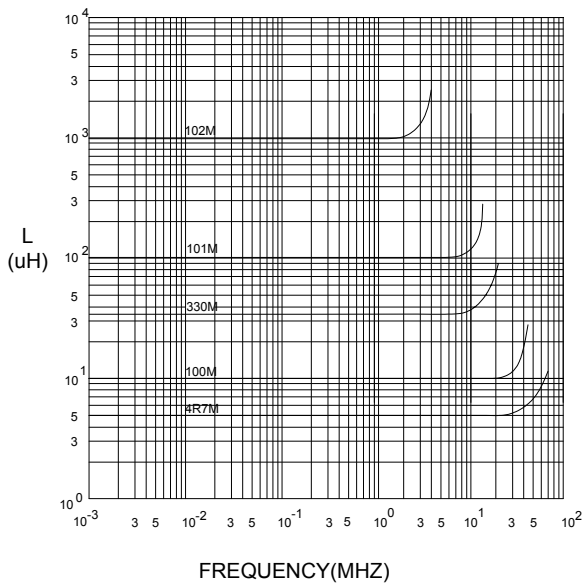
PG. 2

7. CHARACTERISTICS CURVES :

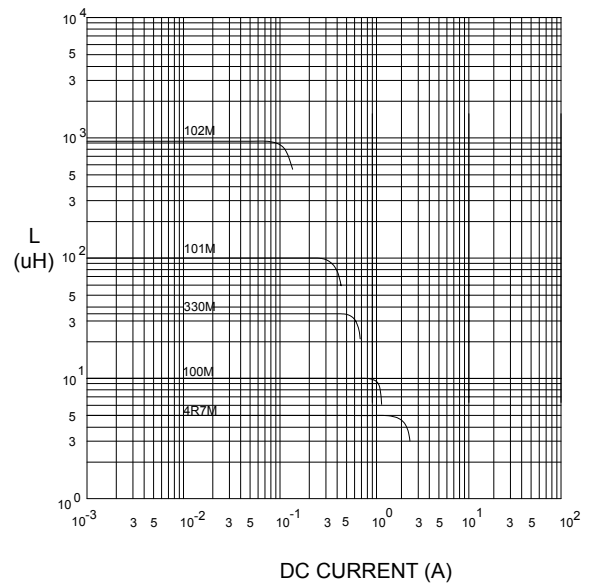
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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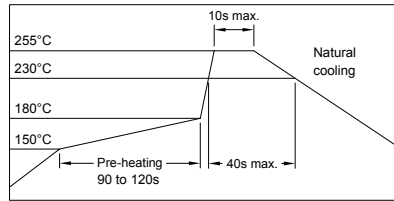
NOTE : Specifications subject to change without notice. Please check our website for latest information.

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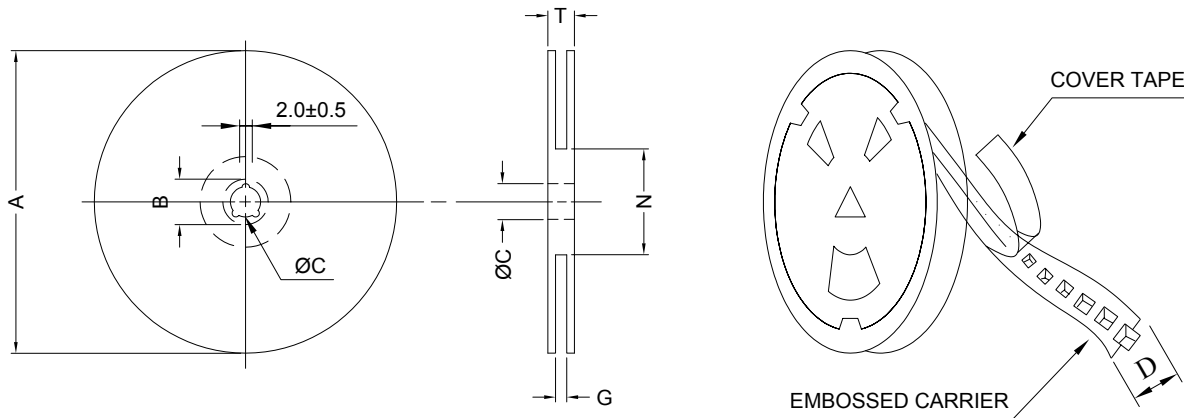
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RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS

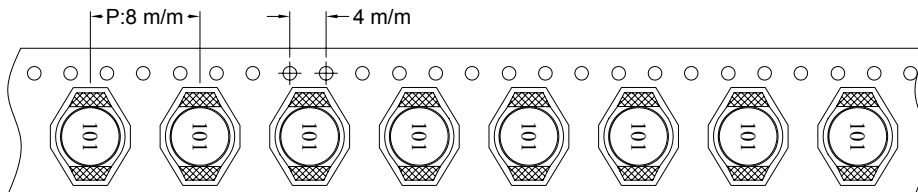


8. PACKAGING INFORMATION :

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



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9. RELIABILITY AND TEST CONDITION :

TEST ITEM	SPECIFICATION	TEST CONDITION
SOLDERABILITY	MORE THAN 90% OF THE TERMINAL ELECTRODE SHALL BE COVERED WITH FRESH SOLDER.	PREHEAT : 125±25°C FOR 60 SECONDS SOLDER : 99%Sn/0.3%Ag/0.7%Cu OR EQUIVALENT SOLDER TEMP. : 245±5°C FLUX : ROSIN DIP TIME : 4±1 SECONDS
THERMAL SHOCK TEST (TEMP. CYCLE)	INDUCTANCE SHALL NOT CHANGE MORE THAN ±20%	ROOM TEMP. → -25±2°C 15 MINUTES → 30 MINUTES ROOM TEMP. → 85±2°C 15 MINUTES → 30 MINUTES TOTAL : 50 CYCLES
HUMIDITY RESISTANCE TEST		TEMPERATURE : 40±2°C HUMIDITY : 90 ~ 95% APPLIED CURRENT : PER SPEC. TIME : 500 HOURS
HIGH TEMP. RESISTANCE TEST		TEMPERATURE : 85±2°C APPLIED CURRENT : PER SPEC. TIME : 500 HOURS

10. UL CARD :

OBMW2		November 30, 2000		
Magnet Wire - Component				
PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD				E201757
607 BAOLONG INDUSTRIAL ESTATE LONGGANG, SHENZHEN				
GUANGDONG CHINA				
	Coating Type		ANSI Type	TI
Mtl Dsg	BC	TC		
UEW/U	Polyurethane	—	—	130
PEW/U	Polyester	—	MW5-C	155°C
PEWH/U	Modified Polyester	—	MW30-C	180
PEW-NY/U	Polyester	Polyamide	MW24-C	155
HAI/U	Polyester(Amide)(Imide)	Polyamideimide	MW35,73	200
UEW-NY/U	Polyurethane	Polyamide	MW80-C	155
			MW28-C	130

Marking: Company name and material designation or marked designation on package or reel, and Recognized Component Mark.

See General Information Preceding These Recognitions

1/3/2001 **Underwriters Laboratories Inc.** Card 1 of 2



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