

1. PART NO. EXPRESSION :

RCC0805 100 MZ F

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

(a) Series code

(b) Dimension code

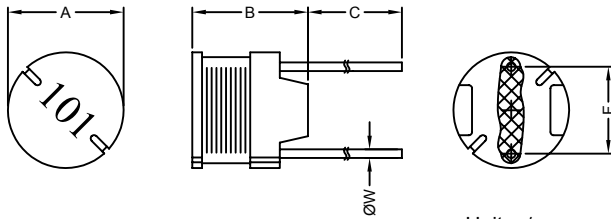
(c) Inductance code : 100 = 10.0uH

(d) Tolerance code : K = $\pm 10\%$, M = $\pm 20\%$

(e) X, Y, Z : Standard part

(f) F : Lead Free

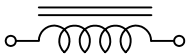
2. CONFIGURATION & DIMENSIONS :



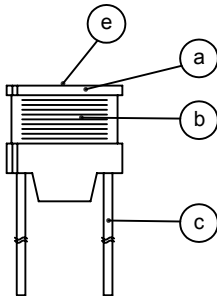
Unit:m/m

A	B	C	F	ØW
7.80±0.50	5.50 Max.	15.00±3.00	5.00±0.50	0.65±0.10

3. SCHEMATIC :



4. MATERIALS :



(a) Core : DR Ferrite Core

(b) Wire : Enamelled Copper Wire

(c) Lead : Tinned Copper Wire

(d) Adhesive : Epoxy

(e) Ink : Bon Margue

5. GENERAL SPECIFICATION :

- a) The inductance drop at rated is 10% max.
- b) Temp. rise : 40°C max. at rated current
- c) Storage temp. : -40°C to +125°C
- d) Operating temp. : -40°C to +85°C



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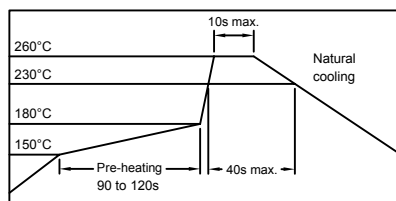
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6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Test Frequency (Hz)	RDC (Ω) Max.	IDC (A) Max.
RCC0805100MZF	10 \pm 20%	2.52M	0.07	2.50
RCC0805120MZF	12 \pm 20%	2.52M	0.08	2.40
RCC0805150MZF	15 \pm 20%	2.52M	0.09	2.10
RCC0805180MZF	18 \pm 20%	2.52M	0.10	2.00
RCC0805220KZF	22 \pm 10%	2.52M	0.12	1.70
RCC0805270KZF	27 \pm 10%	2.52M	0.14	1.60
RCC0805330KZF	33 \pm 10%	2.52M	0.17	1.40
RCC0805390KZF	39 \pm 10%	2.52M	0.21	1.30
RCC0805470KZF	47 \pm 10%	2.52M	0.24	1.20
RCC0805560KZF	56 \pm 10%	2.52M	0.31	1.10
RCC0805680KZF	68 \pm 10%	2.52M	0.34	1.00
RCC0805820KZF	82 \pm 10%	2.52M	0.40	0.93
RCC0805101KZF	100 \pm 10%	1K	0.52	0.81
RCC0805121KZF	120 \pm 10%	1K	0.59	0.76
RCC0805151KZF	150 \pm 10%	1K	0.71	0.67
RCC0805181KZF	180 \pm 10%	1K	0.89	0.62
RCC0805221KZF	220 \pm 10%	1K	1.04	0.54
RCC0805271KZF	270 \pm 10%	1K	1.28	0.49
RCC0805331KZF	330 \pm 10%	1K	1.47	0.44
RCC0805391KZF	390 \pm 10%	1K	1.67	0.41
RCC0805471KZF	470 \pm 10%	1K	1.95	0.38
RCC0805561KZF	560 \pm 10%	1K	2.83	0.35
RCC0805681KZF	680 \pm 10%	1K	3.25	0.32
RCC0805821KZF	820 \pm 10%	1K	3.82	0.31
RCC0805102KZF	1000 \pm 10%	1K	5.28	0.25

RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS



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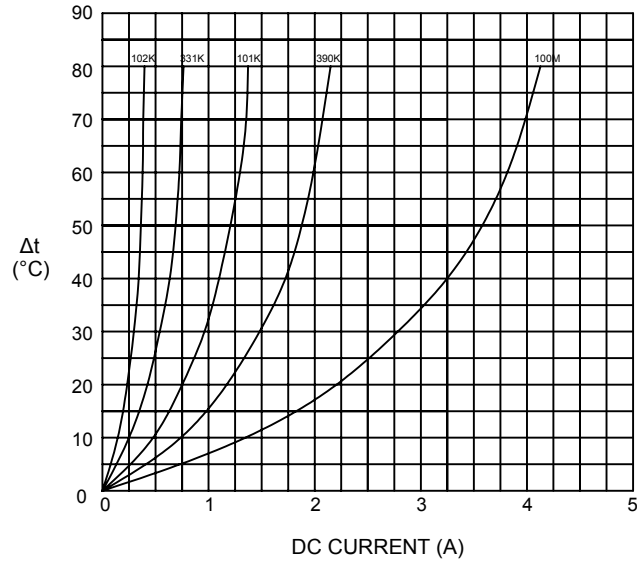
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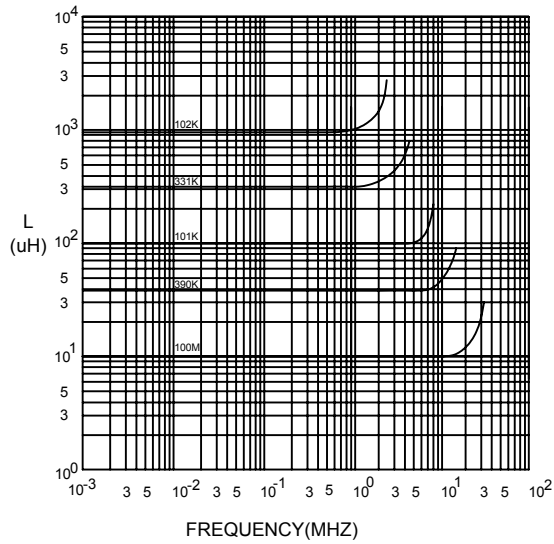
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7. CHARACTERISTICS CURVES :

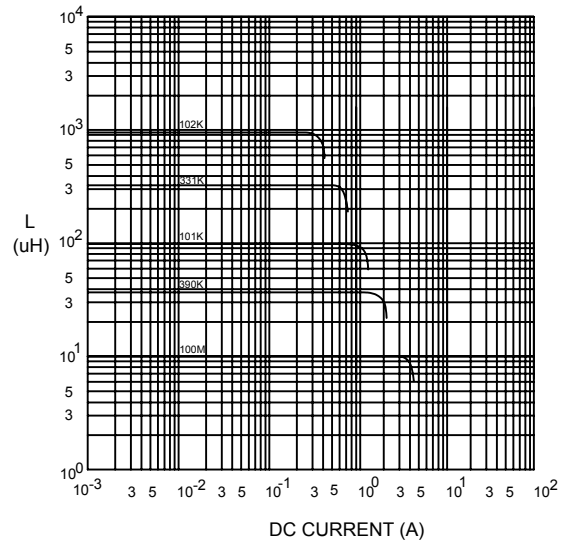
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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8. PACKAGING INFORMATION :

Size	RCC0805
Inner Package	Tray
Quantity	160 pcs

9. 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		
Mtl Dsg	BC	TC	ANSI Type	TI
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.				
<hr/>				
See General Information Preceding These Recognitions				
1/3/2001	Underwriters Laboratories Inc.		Card 1 of 2	



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