

**1. PART NO. EXPRESSION :****RCC0807100MZ F**

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

(a) Series code

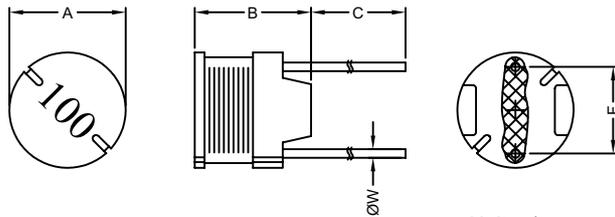
(b) Dimension code

(c) Inductance code : 100 = 10uH

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

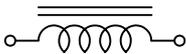
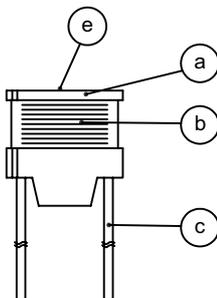
(e) X, Y, Z : Standard part

(f) F : Lead Free

**2. CONFIGURATION & DIMENSIONS :**

Unit:m/m

A	B	C	F	ØW
7.80±0.5	7.50 Max.	15.00±3.0	5.00±0.5	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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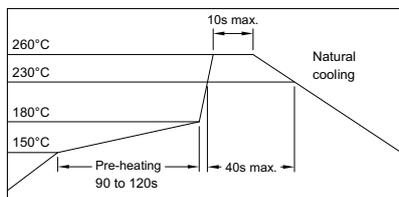
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**6. ELECTRICAL CHARACTERISTICS :**

Part No.	Inductance ( $\mu$ H)	Test Frequency (Hz)	RDC ( $\Omega$ ) Max.	IDC (A) Max.
RCC0807100MZF	10 $\pm$ 20%	2.52M	0.05	2.90
RCC0807120MZF	12 $\pm$ 20%	2.52M	0.06	2.50
RCC0807150KZF	15 $\pm$ 10%	2.52M	0.07	2.20
RCC0807180KZF	18 $\pm$ 10%	2.52M	0.08	1.90
RCC0807220KZF	22 $\pm$ 10%	2.52M	0.09	1.80
RCC0807270KZF	27 $\pm$ 10%	2.52M	0.11	1.70
RCC0807330KZF	33 $\pm$ 10%	2.52M	0.13	1.50
RCC0807390KZF	39 $\pm$ 10%	2.52M	0.14	1.30
RCC0807470KZF	47 $\pm$ 10%	2.52M	0.15	1.30
RCC0807560KZF	56 $\pm$ 10%	2.52M	0.18	1.20
RCC0807680KZF	68 $\pm$ 10%	2.52M	0.20	1.10
RCC0807820KZF	82 $\pm$ 10%	2.52M	0.24	1.00
RCC0807101KZF	100 $\pm$ 10%	1K	0.28	0.89
RCC0807121KZF	120 $\pm$ 10%	1K	0.36	0.81
RCC0807151KZF	150 $\pm$ 10%	1K	0.42	0.72
RCC0807181KZF	180 $\pm$ 10%	1K	0.57	0.66
RCC0807221KZF	220 $\pm$ 10%	1K	0.63	0.57
RCC0807271KZF	270 $\pm$ 10%	1K	0.88	0.51
RCC0807331KZF	330 $\pm$ 10%	1K	1.05	0.46
RCC0807391KZF	390 $\pm$ 10%	1K	1.17	0.44
RCC0807471KZF	470 $\pm$ 10%	1K	1.34	0.41
RCC0807561KZF	560 $\pm$ 10%	1K	1.72	0.36
RCC0807681KZF	680 $\pm$ 10%	1K	1.96	0.33
RCC0807821KZF	820 $\pm$ 10%	1K	2.56	0.30
RCC0807102KZF	1000 $\pm$ 10%	1K	2.94	0.27

**RECOMMENDED SOLDERING CONDITIONS**  
**REFLOW SOLDERINGS**



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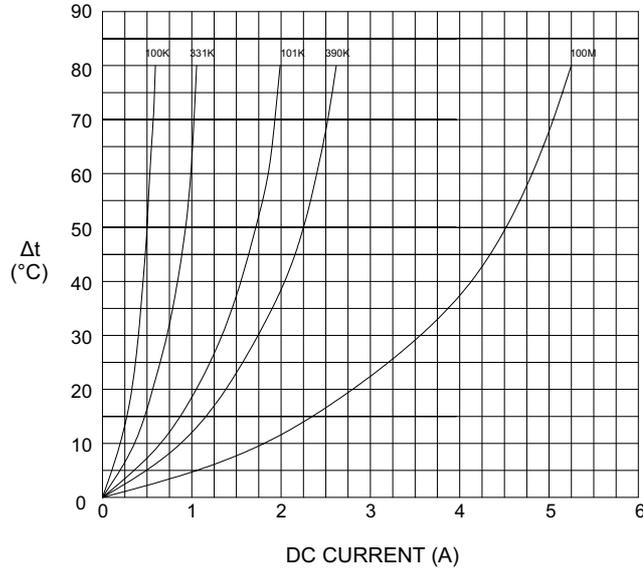


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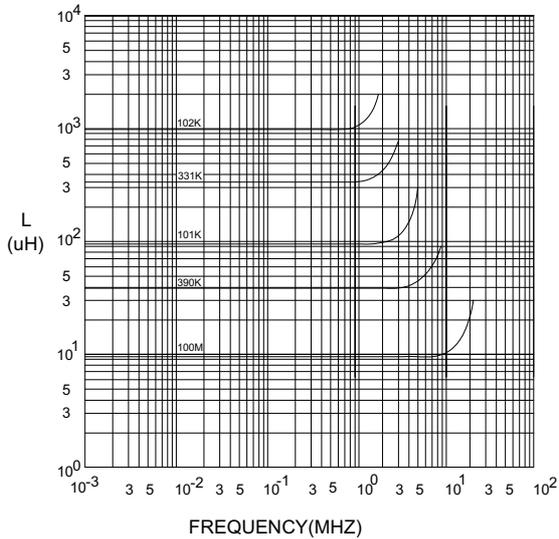
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### 7. CHARACTERISTICS CURVES :

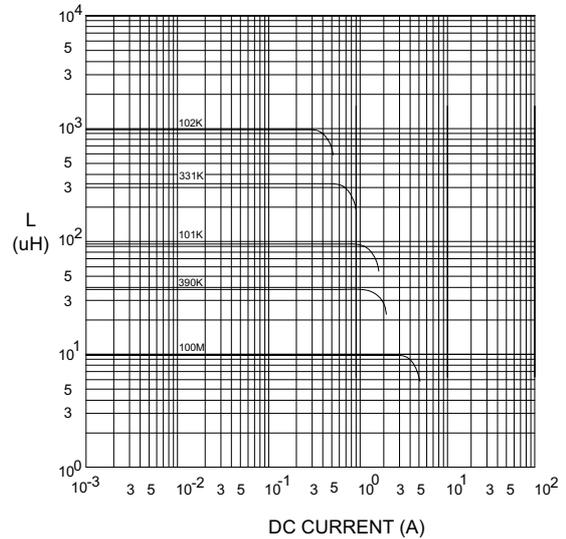
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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**8. PACKAGING INFORMATION :**

Size	RCC0807
Inner Package	Tray
Quantity	100 pcs

**9. UL CARD :**

<b>OBMW2</b>		<b>November 30, 2000</b>		
<b>Magnet Wire - Component</b>				
<b>PACIFIC ELECTRIC WIRE &amp; CABLE (SHENZHEN) CO LTD</b>				<b>E201757</b>
<b>607 BAOLONG INDUSTRIAL ESTATE LONGGANG, SHENZHEN</b>				
<b>GUANGDONG CHINA</b>				
		<b>Coating Type</b>	<b>ANSI</b>	
<b>Mtl Dsg</b>	<b>BC</b>	<b>TC</b>	<b>Type</b>	<b>TI</b>
<b>UEW/U</b>	<b>Polyurethane</b>	—	—	<b>130</b>
<b>PEW/U</b>	<b>Polyester</b>	—	<b>MW5-C</b>	<b>155°C</b>
<b>PEWH/U</b>	<b>Modified Polyester</b>	—	<b>MW30-C</b>	<b>180</b>
<b>PEW-NY/U</b>	<b>Polyester</b>	<b>Polyamide</b>	<b>MW24-C</b>	<b>155</b>
<b>HAI/U</b>	<b>Polyester(Amide)(Imide)</b>	<b>Polyamideimide</b>	<b>MW35,73</b>	<b>200</b>
<b>UEW-NY/U</b>	<b>Polyurethane</b>	<b>Polyamide</b>	<b>MW80-C</b>	<b>155</b>
			<b>MW28-C</b>	<b>130</b>
 <b>Marking: Company name and material designation or marked designation on package or reel, and Recognized Component Mark.</b>				
 <b>See General Information Preceding These Recognitions</b>				
<b>1/3/2001</b>	<b>Underwriters Laboratories Inc.</b>		<b>Card 1 of 2</b>	

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