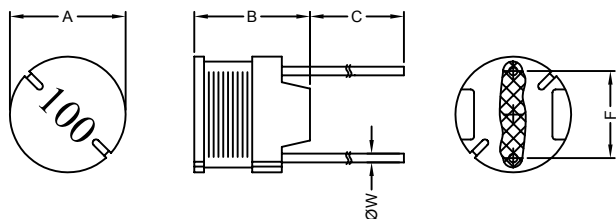


**1. PART NO. EXPRESSION :**

R C C 0 8 0 9 1 0 0 M Z F  
 (a) (b) (c) (d)(e)(f)

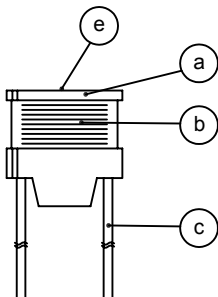
- (a) Series code  
 (b) Dimension code  
 (c) Inductance code : 100 = 10uH

- (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	9.5 Max.	15.0±3.0	5.0±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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NOTE : Specifications subject to change without notice. Please check our website for latest information.

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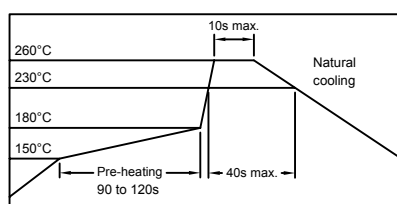
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PG. 1

**6. ELECTRICAL CHARACTERISTICS :**

Part No.	Inductance ( $\mu\text{H}$ )	Test Frequency (Hz)	RDC ( $\Omega$ ) Max.	IDC (A) Max.
RCC0809100MZF	10 $\pm$ 20%	2.52M	0.04	2.60
RCC0809120MZF	12 $\pm$ 20%	2.52M	0.04	2.60
RCC0809150KZF	15 $\pm$ 10%	2.52M	0.05	2.10
RCC0809180KZF	18 $\pm$ 10%	2.52M	0.05	2.00
RCC0809220KZF	22 $\pm$ 10%	2.52M	0.06	1.70
RCC0809270KZF	27 $\pm$ 10%	2.52M	0.06	1.60
RCC0809330KZF	33 $\pm$ 10%	2.52M	0.07	1.40
RCC0809390KZF	39 $\pm$ 10%	2.52M	0.08	1.40
RCC0809470KZF	47 $\pm$ 10%	2.52M	0.10	1.30
RCC0809560KZF	56 $\pm$ 10%	2.52M	0.11	1.20
RCC0809680KZF	68 $\pm$ 10%	2.52M	0.14	1.100
RCC0809820KZF	82 $\pm$ 10%	2.52M	0.16	1.000
RCC0809101KZF	100 $\pm$ 10%	1K	0.19	0.900
RCC0809121KZF	120 $\pm$ 10%	1K	0.22	0.820
RCC0809151KZF	150 $\pm$ 10%	1K	0.27	0.740
RCC0809181KZF	180 $\pm$ 10%	1K	0.31	0.710
RCC0809221KZF	220 $\pm$ 10%	1K	0.38	0.640
RCC0809271KZF	270 $\pm$ 10%	1K	0.53	0.570
RCC0809331KZF	330 $\pm$ 10%	1K	0.61	0.510
RCC0809391KZF	390 $\pm$ 10%	1K	0.69	0.480
RCC0809471KZF	470 $\pm$ 10%	1K	0.89	0.430
RCC0809561KZF	560 $\pm$ 10%	1K	1.01	0.400
RCC0809681KZF	680 $\pm$ 10%	1K	1.18	0.350
RCC0809821KZF	820 $\pm$ 10%	1K	1.57	0.320
RCC0809102KZF	1000 $\pm$ 10%	1K	1.84	0.300

RECOMMENDED SOLDERING CONDITIONS  
REFLOW SOLDERINGS



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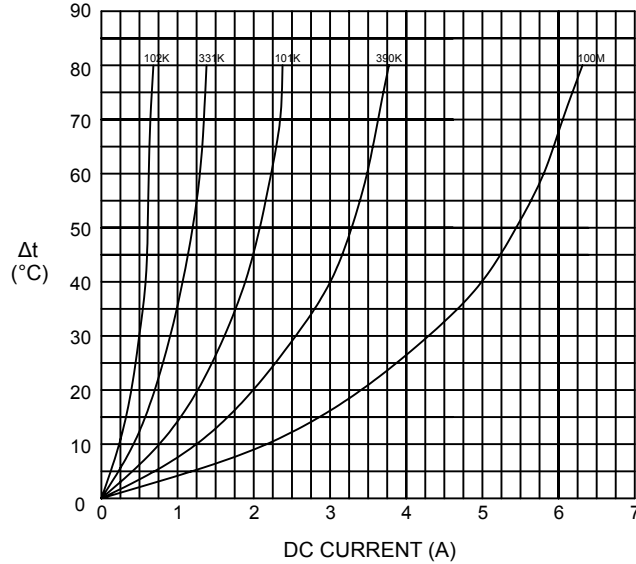


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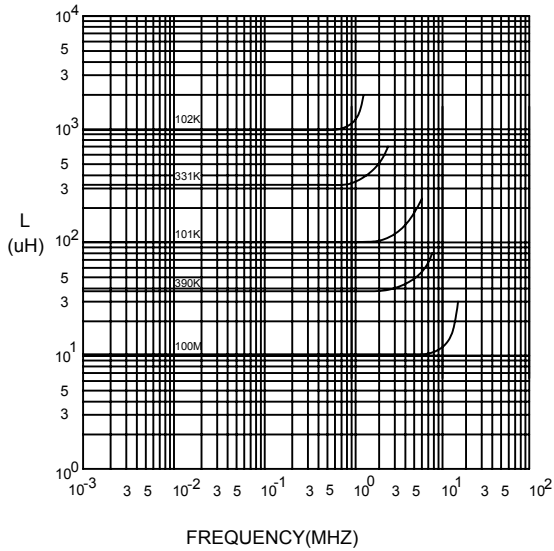
PG. 2

### 7. CHARACTERISTICS CURVES :

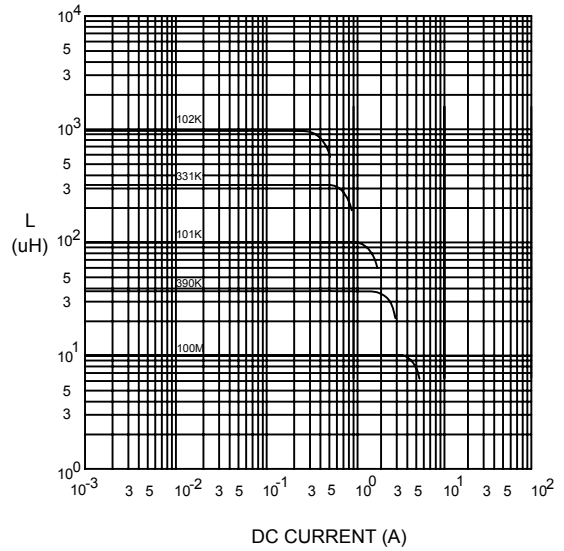
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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**8. PACKAGING INFORMATION :**

Size	RCC0809
Inner Package	Box
Quantity	300 pcs

**9. UL CARD :****OBMW2****November 30, 2000****Magnet Wire - Component**

**PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD**  
**607 BAOLONG INDUSTRIAL ESTATE LONGGANG, SHENZHEN**  
**GUANGDONG CHINA**

**E201757**

Mtl Dsg	BC	Coating Type	TC	ANSI Type	TI
UEW/U		<b>Polyurethane</b>	—	—	<b>130</b>
PEW/U		<b>Polyester</b>	—	<b>MW5-C</b>	<b>155°C</b>
PEWH/U		<b>Modified Polyester</b>	—	<b>MW30-C</b>	<b>180</b>
PEW-NY/U		<b>Polyester</b>	<b>Polyamide</b>	<b>MW24-C</b>	<b>155</b>
HAI/U		<b>Polyester(Amide)(Imide)</b>	<b>Polyamideimide</b>	<b>MW35,73</b>	<b>200</b>
UEW-NY/U		<b>Polyurethane</b>	<b>Polyamide</b>	<b>MW80-C</b>	<b>155</b>
				<b>MW28-C</b>	<b>130</b>

**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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