

**1. PART NO. EXPRESSION :**

RCC1008100MZ F  
 (a) (b) (c) (d)(e)(f)

(a) Series code

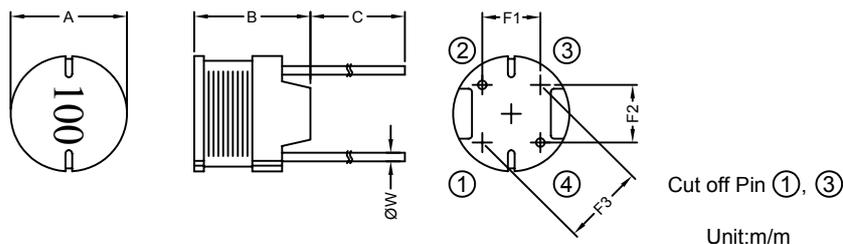
(b) Dimension code

(c) Inductance code : 100 = 10.0uH

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

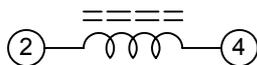
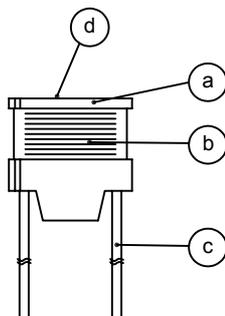
(e) X, Y, Z : Standard part

(f) F : Lead Free

**2. CONFIGURATION & DIMENSIONS :**

Unit:m/m

A	B	C	F1	F2	F3	ØW
10.00 $\pm$ 0.5	8.00 $\pm$ 0.5	15.00 $\pm$ 3.0	4.00 $\pm$ 0.5	5.00 $\pm$ 0.5	6.40 $\pm$ 0.5	0.65 $\pm$ 0.10

**3. SCHEMATIC :****4. MATERIALS :**

(a) Core : DR Ferrite Core

(b) Wire : Enamelled Copper Wire

(c) Lead : Tinned Copper Wire

(d) Ink : Bon Margue

**5. GENERAL SPECIFICATION :**

- The inductance drop at rated is 10% max.
- Temp. rise : 40°C max. at rated current
- Storage temp. : -40°C to +125°C
- 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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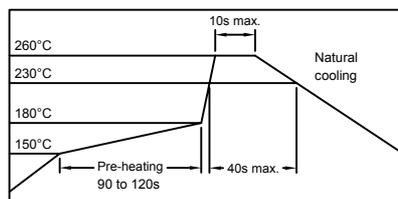
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PG. 1

**6. ELECTRICAL CHARACTERISTICS :**

Part No.	Inductance ( $\mu$ H)	Test Frequency (Hz)	RDC ( $\Omega$ ) Max.	IDC (A) Max.
RCC1008100MZF	10 $\pm$ 20%	2.52M	0.027	4.50
RCC1008120MZF	12 $\pm$ 20%	2.52M	0.031	4.10
RCC1008150MZF	15 $\pm$ 20%	2.52M	0.036	3.70
RCC1008180MZF	18 $\pm$ 20%	2.52M	0.049	3.40
RCC1008220MZF	22 $\pm$ 20%	2.52M	0.055	3.10
RCC1008270MZF	27 $\pm$ 20%	2.52M	0.062	2.80
RCC1008330KZF	33 $\pm$ 10%	2.52M	0.079	2.50
RCC1008390KZF	39 $\pm$ 10%	2.52M	0.087	2.30
RCC1008470KZF	47 $\pm$ 10%	2.52M	0.099	2.10
RCC1008560KZF	56 $\pm$ 10%	2.52M	0.130	1.90
RCC1008680KZF	68 $\pm$ 10%	2.52M	0.140	1.70
RCC1008820KZF	82 $\pm$ 10%	2.52M	0.160	1.60
RCC1008101KZF	100 $\pm$ 10%	1K	0.210	1.40
RCC1008121KZF	120 $\pm$ 10%	1K	0.240	1.30
RCC1008151KZF	150 $\pm$ 10%	1K	0.320	1.20
RCC1008181KZF	180 $\pm$ 10%	1K	0.350	1.10
RCC1008221KZF	220 $\pm$ 10%	1K	0.450	0.96
RCC1008271KZF	270 $\pm$ 10%	1K	0.610	0.87
RCC1008331KZF	330 $\pm$ 10%	1K	0.690	0.79
RCC1008391KZF	390 $\pm$ 10%	1K	0.780	0.72
RCC1008471KZF	470 $\pm$ 10%	1K	1.000	0.66
RCC1008561KZF	560 $\pm$ 10%	1K	1.200	0.60
RCC1008681KZF	680 $\pm$ 10%	1K	1.400	0.55
RCC1008821KZF	820 $\pm$ 10%	1K	1.800	0.50
RCC1008102KZF	1000 $\pm$ 10%	1K	2.100	0.45

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



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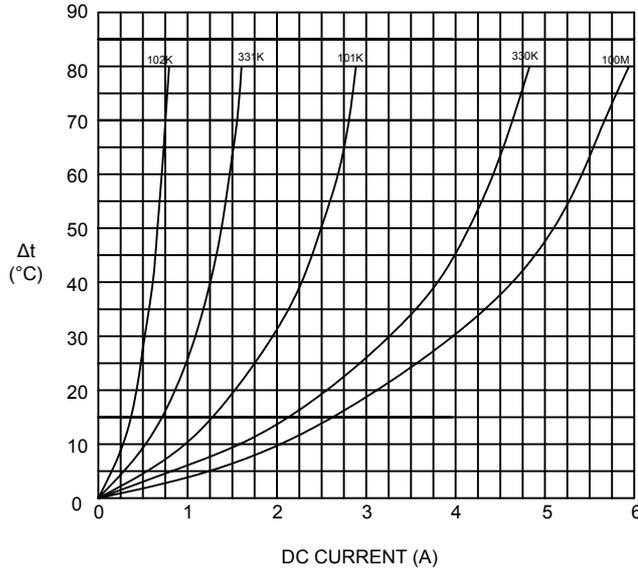


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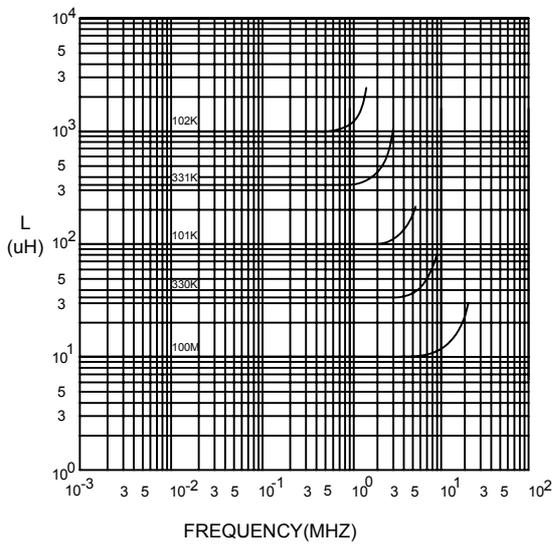
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### 7. CHARACTERISTICS CURVES :

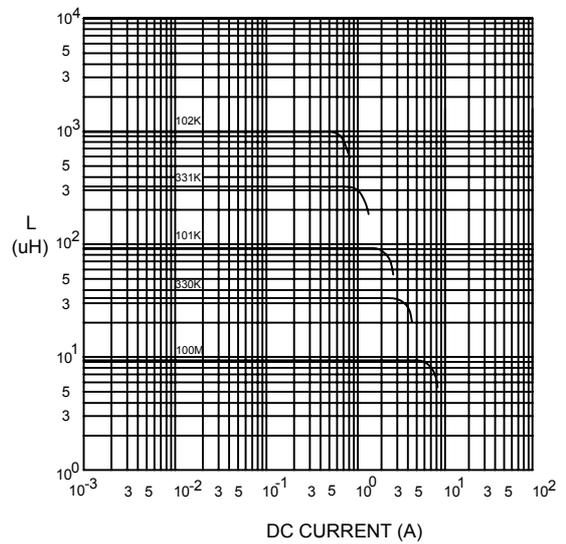
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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PG. 3

**8. PACKAGING INFORMATION :**

Size	RCC1008
Inner Package	Box (small)
Quantity	150 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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PG. 4