

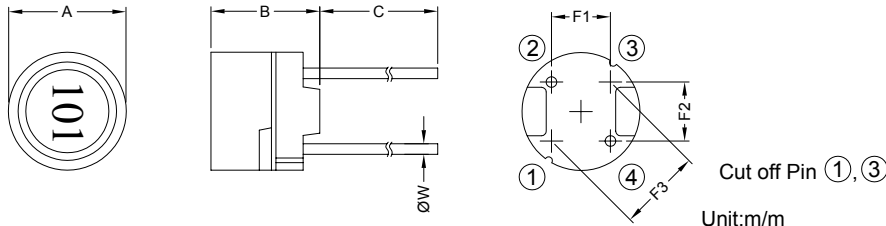
### 1. PART NO. EXPRESSION :

RCS1008100MZ F  
 (a) (b) (c) (d)(e)(f)

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

- (d) Tolerance code : K = ±10%, M = ±20%
- (e) X, Y, Z : Standard part
- (f) F : Lead Free

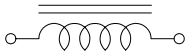
### 2. CONFIGURATION & DIMENSIONS :



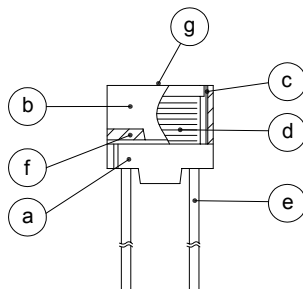
Unit:m/m

A	B	C	F1	F2	F3	ØW
10.00±0.5	8.00±0.5	15.00±3.0	4.00±0.5	5.00±0.5	6.40±0.5	0.80±0.10

### 3. SCHEMATIC :



### 4. MATERIALS :



- (a) Core : DR Ferrite Core
- (b) Core : RI Ferrite Core
- (c) Sleeve : Phenolic
- (d) Wire : Enamelled Copper Wire
- (e) Lead : Tinned Copper Wire
- (f) Adhesive : Epoxy
- (g) 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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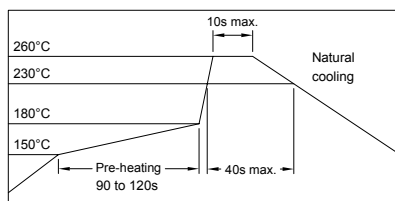


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### 6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance ( $\mu$ H)	Test Frequency (Hz)	RDC ( $\Omega$ ) Max.	IDC (A) Max.
RCS1008100MZF	10 $\pm$ 20%	2.52M	0.05	2.80
RCS1008120MZF	12 $\pm$ 20%	2.52M	0.06	2.50
RCS1008150MZF	15 $\pm$ 20%	2.52M	0.07	2.30
RCS1008180MZF	18 $\pm$ 20%	2.52M	0.08	2.10
RCS1008220MZF	22 $\pm$ 20%	2.52M	0.09	2.00
RCS1008270MZF	27 $\pm$ 20%	2.52M	0.10	1.76
RCS1008330MZF	33 $\pm$ 20%	2.52M	0.11	1.60
RCS1008390MZF	39 $\pm$ 20%	2.52M	0.12	1.38
RCS1008470MZF	47 $\pm$ 20%	2.52M	0.14	1.28
RCS1008560KZF	56 $\pm$ 10%	2.52M	0.15	1.20
RCS1008680KZF	68 $\pm$ 10%	2.52M	0.16	1.00
RCS1008820KZF	82 $\pm$ 10%	2.52M	0.18	0.96
RCS1008101KZF	100 $\pm$ 10%	1K	0.20	0.92
RCS1008121KZF	120 $\pm$ 10%	1K	0.24	0.80
RCS1008151KZF	150 $\pm$ 10%	1K	0.35	0.73
RCS1008181KZF	180 $\pm$ 10%	1K	0.40	0.64
RCS1008221KZF	220 $\pm$ 10%	1K	0.54	0.61
RCS1008271KZF	270 $\pm$ 10%	1K	0.76	0.56
RCS1008331KZF	330 $\pm$ 10%	1K	0.86	0.50
RCS1008391KZF	390 $\pm$ 10%	1K	0.93	0.44
RCS1008471KZF	470 $\pm$ 10%	1K	1.23	0.41
RCS1008561KZF	560 $\pm$ 10%	1K	1.34	0.38
RCS1008681KZF	680 $\pm$ 10%	1K	1.53	0.34
RCS1008821KZF	820 $\pm$ 10%	1K	2.10	0.32
RCS1008102KZF	1000 $\pm$ 10%	1K	2.30	0.28

### RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS



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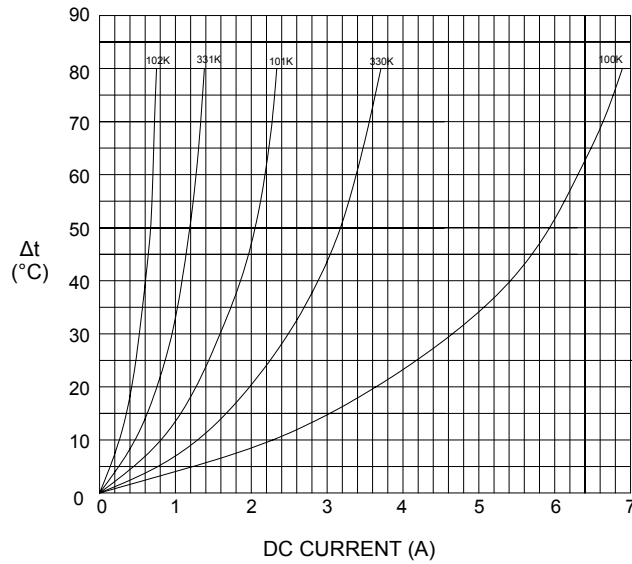
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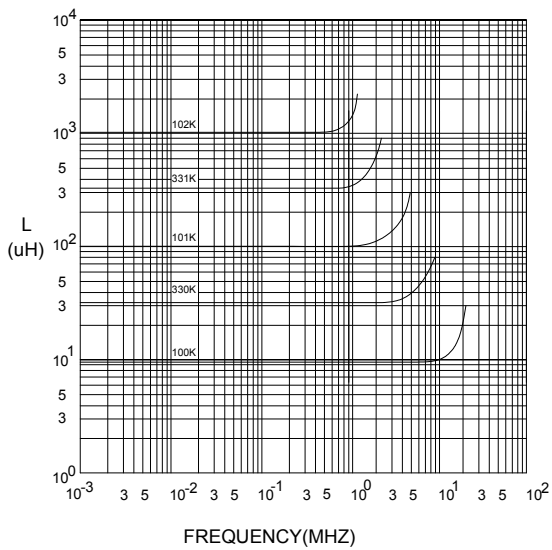
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### 7. CHARACTERISTICS CURVES :

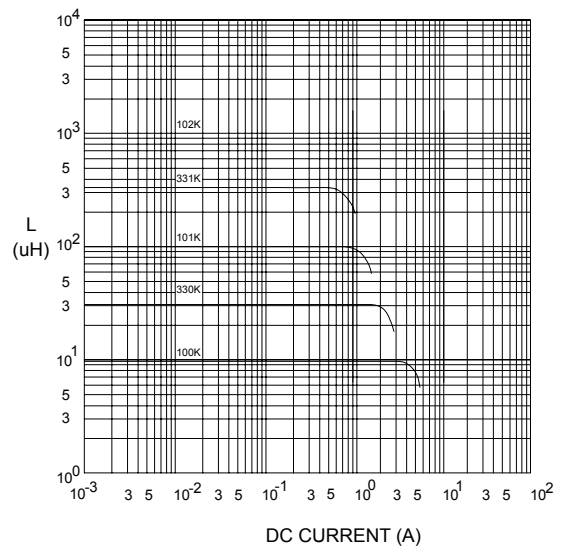
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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# RADIAL CHOKE COIL

RCS1008 SERIES

8. UL CARD :

**QMFZ2** **May 10, 1995**

**Component-Plastics**

**SUMITOMO BAKELITE CO LTD** **E41429 (M)**

(B-cont. from A card)

AM - 3130A	ALL	0.99	94V-0	130	130	130	0	3	—	—	—
		3.0	94V-0	130	130	130	0	2	—	5	0
AM-1120, AM112	BK	0.99	94V-0	130	130	130	—	—	—	—	—
AM-1130, AM-113	BK	0.40	94V-0	130	130	130	—	—	—	—	—
	BK,GN	0.75	94V-0	130	130	130	0	2	—	—	—
	ALL	1.1	94V-0	130	130	130	0	1	—	—	—
		1.5	94V-0	130	130	130	0	1	—	—	—
		3.0	94V-0	130	130	130	0	1	0	5	0
AM-1140, AM-1130, AM-3131, AM-3000, AM-300	ALL	1.1	94V-0	130	130	130	1	0	—	—	—
	BK	1.5	94V-0	130	130	130	1	0	—	—	—
		3.0	94V-0	130	130	130	0	0	0	5	0
	BK	0.74	94V-0	130	130	130	—	—	—	—	—

**Reports:** November 14,1983, September 16, 1971 : December 31,1973;September 16,1971.

**Replaces E41429b dated June 7, 1994.** (Cont. on C card)

683540014 N7047 Underwriters Laboratories Inc.® D11/0029309

**OBMW2** **November 30, 2000**

**Magnet Wire - Component**

**PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD** **E201757**

607 BAOLONG INDUSTRIAL ESTATE LONGGANG, SHENZHEN  
GUANGDONG CHINA

Mtl Dsg	Coating Type		ANSI Type	TI
	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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