

1. PART NO. EXPRESSION :

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

(a) Series code

(b) Dimension code

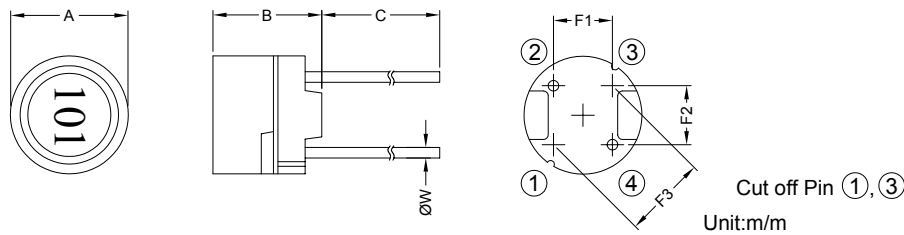
(c) Inductance code : 100 = 10uH

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

(e) X, Y, Z : Standard part

(f) F : Lead Free

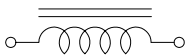
2. CONFIGURATION & DIMENSIONS :



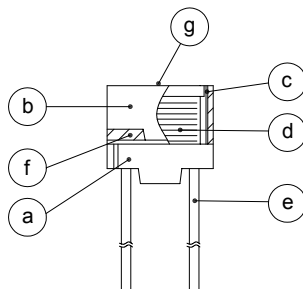
Unit:m/m

A	B	C	F1	F2	F3	ØW
10.0 $\pm$ 0.5	10.0 $\pm$ 0.5	15.00 $\pm$ 3.0	4.00 $\pm$ 0.5	5.00 $\pm$ 0.5	6.40 $\pm$ 0.5	0.80 $\pm$ 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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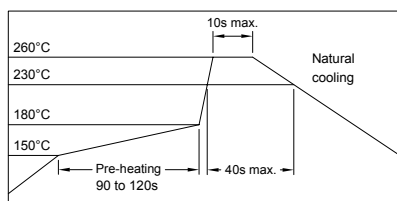


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6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Test Frequency (Hz)	RDC (Ω) Max.	IDC (A) Max.
RCS1010100MZF	10 $\pm$ 20%	2.52M	0.023	3.51
RCS1010120MZF	12 $\pm$ 20%	2.52M	0.024	3.24
RCS1010150MZF	15 $\pm$ 20%	2.52M	0.036	2.88
RCS1010180MZF	18 $\pm$ 20%	2.52M	0.039	2.61
RCS1010220MZF	22 $\pm$ 20%	2.52M	0.042	2.34
RCS1010270MZF	27 $\pm$ 20%	2.52M	0.045	2.16
RCS1010330MZF	33 $\pm$ 20%	2.52M	0.057	1.89
RCS1010390MZF	39 $\pm$ 20%	2.52M	0.076	1.80
RCS1010470MZF	47 $\pm$ 20%	2.52M	0.100	1.62
RCS1010560KZF	56 $\pm$ 10%	2.52M	0.110	1.44
RCS1010680KZF	68 $\pm$ 10%	2.52M	0.150	1.35
RCS1010820KZF	82 $\pm$ 10%	2.52M	0.160	1.26
RCS1010101KZF	100 $\pm$ 10%	1K	0.190	1.08
RCS1010121KZF	120 $\pm$ 10%	1K	0.210	0.99
RCS1010151KZF	150 $\pm$ 10%	1K	0.230	0.90
RCS1010181KZF	180 $\pm$ 10%	1K	0.260	0.82
RCS1010221KZF	220 $\pm$ 10%	1K	0.290	0.74
RCS1010271KZF	270 $\pm$ 10%	1K	0.360	0.67
RCS1010331KZF	330 $\pm$ 10%	1K	0.510	0.61
RCS1010391KZF	390 $\pm$ 10%	1K	0.690	0.55
RCS1010471KZF	470 $\pm$ 10%	1K	0.980	0.51
RCS1010561KZF	560 $\pm$ 10%	1K	1.100	0.46
RCS1010681KZF	680 $\pm$ 10%	1K	1.200	0.42
RCS1010821KZF	820 $\pm$ 10%	1K	1.300	0.38
RCS1010102KZF	1000 $\pm$ 10%	1K	1.500	0.35

RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS



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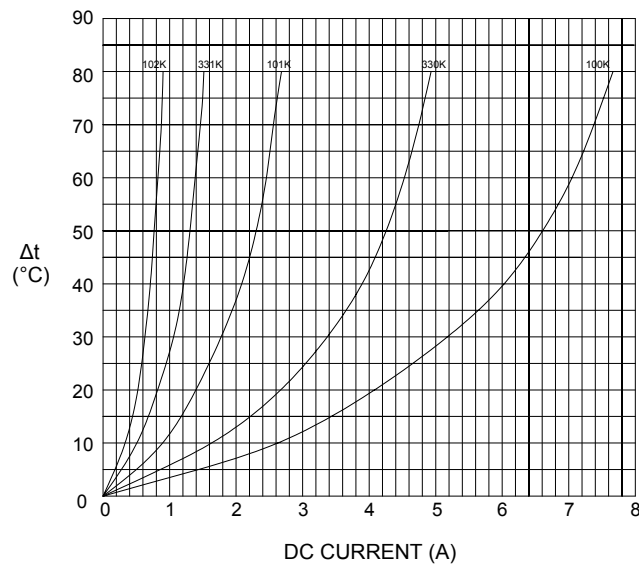
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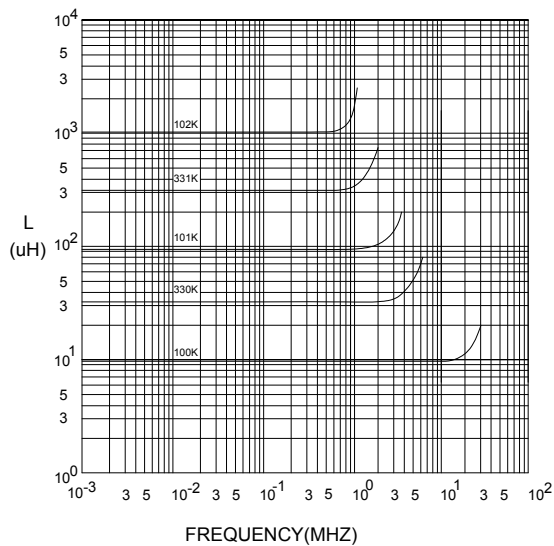
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7. CHARACTERISTICS CURVES :

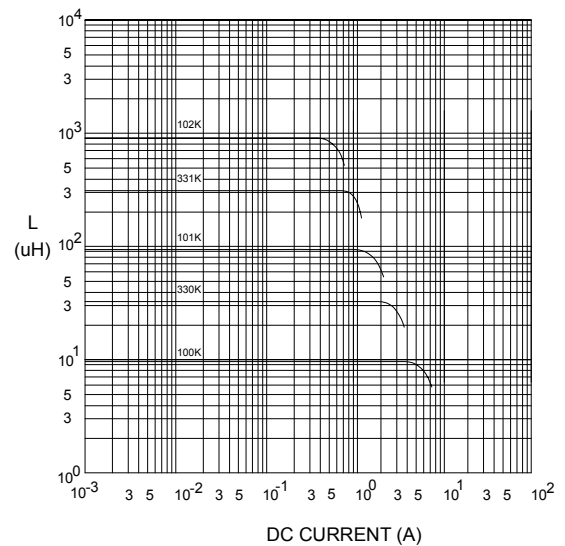
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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RADIAL CHOKE COIL

RCS1010 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	BC	Coating Type	ANSI Type
UEW/U		Polyurethane	—
PEW/U		Polyester	MW5-C
PEWH/U		Modified Polyester	MW30-C
PEW-NY/U		Polyester	MW24-C
HAI/U		Polyester(Amide)(Imide)	MW35,73
UEW-NY/U		Polyurethane	MW80-C
		Polyamide	MW28-C
		Polyamideimide	130
			155°C
			180
			155
			200
			155
			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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