

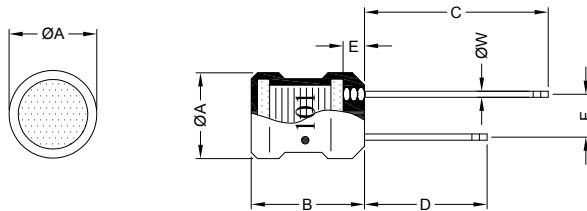
RADIAL CHOKE COIL

RCB0812 SERIES

1. PART NO. EXPRESSION :

R	C	B	0	8	1	2	3	R	3	M	Z	F	(a) Series code	(d) Tolerance code : K = ±10%, M = ±20%
(a)	(b)	(c)	(d)(e)(f)	(b) Dimension code	(e) X, Y, Z : Standard part									
				(c) Inductance code : 3R3 = 3.3uH	(f) F : Lead Free									

2. CONFIGURATION & DIMENSIONS :

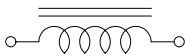


Marking :
" ● " : Start

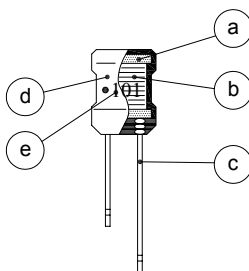
Unit:m/m

ØA	B	C	D	E	F	ØW
8.70±0.5	12.00±1.0	25.00±5.0	18.00±5.0	2.50 Max.	5.00±0.8	0.65 Ref.

3. SCHEMATIC :



4. MATERIALS :



- (a) Core : DR Ferrite Core
- (b) Wire : Enamelled Copper Wire
- (c) Lead : Tinned Copper Wire
- (d) Tube : Shrinkable Tube
- (e) Ink : Bon Margue

5. GENERAL SPECIFICATION :

- a) Temp. rise : 20°C Max. at rated current
- b) Storage temp. : -40°C to +125°C
- c) Operating temp. : -40°C to +105°C



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NOTE : Specifications subject to change without notice. Please check our website for latest information.

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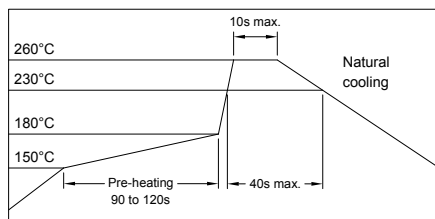


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6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Q Min.	Test Frequency (MHz)	SRF (MHz) Min.	RDC (Ω) Max.	IDC (A) Max.
RCB08123R3MZF	3.3 \pm 20%	20	1V/7.96	70.0	0.027	3.60
RCB08124R7MZF	4.7 \pm 20%	20	1V/7.96	50.0	0.033	3.20
RCB08126R8MZF	6.8 \pm 20%	20	1V/7.96	30.0	0.039	3.00
RCB0812100KZF	10.0 \pm 10%	50	1V/2.52	20.0	0.048	2.70
RCB0812120KZF	12.0 \pm 10%	50	1V/2.52	15.0	0.055	2.50
RCB0812150KZF	15.0 \pm 10%	50	1V/2.52	10.0	0.060	2.40
RCB0812180KZF	18.0 \pm 10%	40	1V/2.52	9.5	0.065	2.30
RCB0812220KZF	22.0 \pm 10%	40	1V/2.52	9.0	0.090	1.90
RCB0812270KZF	27.0 \pm 10%	40	1V/2.52	8.5	0.110	1.80
RCB0812330KZF	33.0 \pm 10%	40	1V/2.52	8.0	0.120	1.70
RCB0812390KZF	39.0 \pm 10%	30	1V/2.52	7.0	0.130	1.60
RCB0812470KZF	47.0 \pm 10%	30	1V/2.52	6.0	0.140	1.50
RCB0812560KZF	56.0 \pm 10%	30	1V/2.52	5.0	0.200	1.30
RCB0812680KZF	68.0 \pm 10%	30	1V/2.52	4.5	0.210	1.20
RCB0812820KZF	82.0 \pm 10%	30	1V/2.52	4.0	0.230	1.10
RCB0812101KZF	100.0 \pm 10%	30	1V/0.796	3.5	0.280	1.00
RCB0812121KZF	120.0 \pm 10%	30	1V/0.796	3.0	0.320	0.90
RCB0812151KZF	150.0 \pm 10%	30	1V/0.796	2.8	0.370	0.80
RCB0812181KZF	180.0 \pm 10%	30	1V/0.796	2.6	0.540	0.75
RCB0812221KZF	220.0 \pm 10%	30	1V/0.796	2.4	0.600	0.70
RCB0812271KZF	270.0 \pm 10%	20	1V/0.796	2.2	0.680	0.65
RCB0812331KZF	330.0 \pm 10%	20	1V/0.796	2.0	0.760	0.60
RCB0812391KZF	390.0 \pm 10%	20	1V/0.796	1.9	0.850	0.55
RCB0812471KZF	470.0 \pm 10%	20	1V/0.796	1.8	1.300	0.50
RCB0812561KZF	560.0 \pm 10%	20	1V/0.796	1.7	1.400	0.45
RCB0812681KZF	680.0 \pm 10%	20	1V/0.796	1.6	1.600	0.40
RCB0812821KZF	820.0 \pm 10%	20	1V/0.796	1.5	1.800	0.35
RCB0812102KZF	1000.0 \pm 10%	40	1V/0.252	1.3	2.100	0.30

RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS



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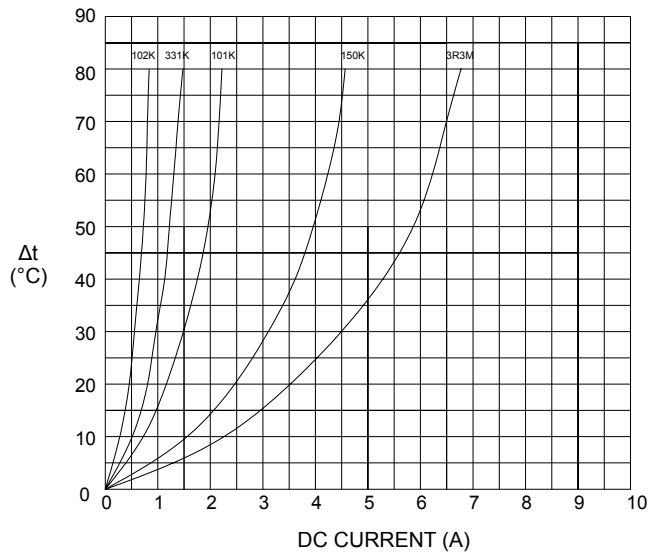
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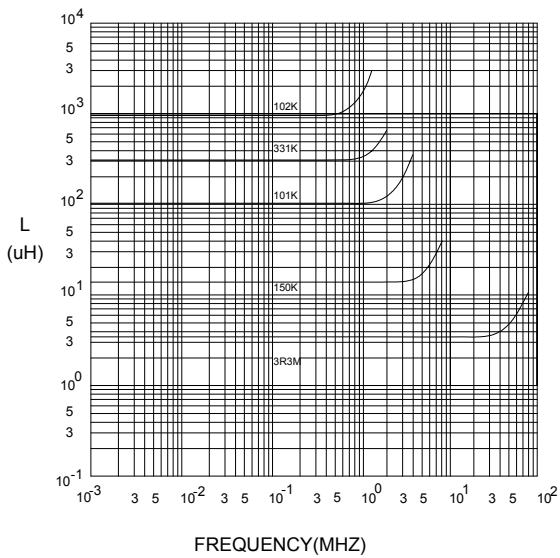
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7. CHARACTERISTICS CURVES :

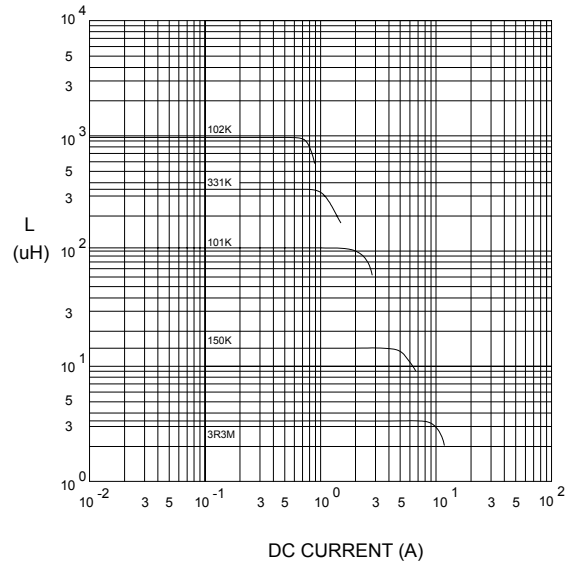
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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8. UL CARD :

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	TC	ANSI Type	TI
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

YDPU8 **August 18, 1999**
Tubing Extruded Insulating Certified For Canada - Component

SHENZHEN CHANGBAO SPECIAL PLASTIC PRODUCTS CO LTD **E180908**
 SHENZHEN SCIENCE & INDUSTRY PARK NAN SHAN
 SHENZHEN, GUANGDONG 518057 CHINA

Cat. No.	Max V	Max Temp C	Col Recognized	Temp Rated Oil Resistance *C	OFT Rated #
Polyolefin heat shrinkable tubing.					
Changbao 102	600	125	All	—	Yes

#Tubing is considered to comply with the optional OFT flammability requirements only if it is so marked.

Marking: Company name, catalog number and temperature rating in degrees C appears on tubing, tags attached to both ends of the tubing or on the shipping spool label or smallest unit container and the Recognized Component Mark for Canada .

See General Information Preceding These Recognitions
 For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

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