RADIAL CHOKE COIL

RCB0506 SERIES

1. PART NO. EXPRESSION :

R C B 0 5 0 6 1 R 0 M Z F

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

(a) Series code

(b) Dimension code

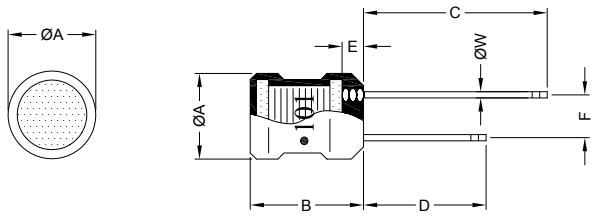
(c) Inductance code : 1R0 = 1.0uH

(d) Tolerance code : K = ±10%, M = ±20%

(e) X, Y, Z : Standard part

(f) F : Lead Free

2. CONFIGURATION & DIMENSIONS :



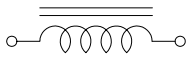
Marking :

" ● " : Start

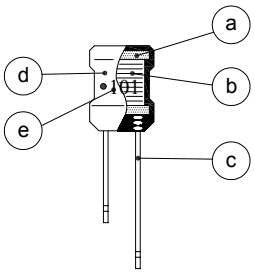
Unit:m/m

ØA	B	C	D	E	F	ØW
5.00±0.5	$6.50^{+1.0}_{-0.5}$	20.00±5.0	15.00±5.0	2.50 Max.	2.00±0.50	0.50 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 :

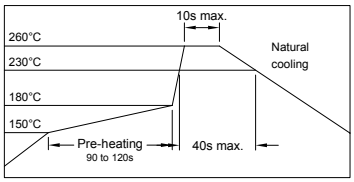
a) Temp. rise : 20°C Max. at rated current

b) Storage temp. : -40°C to +125°C

c) Operating temp. : -40°C to +105°C

RECOMMENDED SOLDERING CONDITIONS

REFLOW SOLDERINGS



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

25.04.2008

6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μH)	Q Min.	Test Frequency (MHz)	SRF (MHz) Min.	RDC (Ω) Max.	IDC (mA) Max.
RCB05061R0MZF	1.0 ±20%	60	7.96	105.0	0.10	1030
RCB05061R2MZF	1.2 ±20%	60	7.96	90.0	0.15	980
RCB05061R5MZF	1.5 ±20%	60	7.96	75.0	0.20	920
RCB05061R8MZF	1.8 ±20%	60	7.96	70.0	0.22	880
RCB05062R2MZF	2.2 ±20%	60	7.96	65.0	0.24	830
RCB05062R7MZF	2.7 ±20%	60	7.96	60.0	0.27	790
RCB05063R3MZF	3.3 ±20%	60	7.96	50.0	0.30	750
RCB05063R9MZF	3.9 ±20%	60	7.96	45.0	0.30	720
RCB05064R7MZF	4.7 ±20%	60	7.96	40.0	0.35	670
RCB05065R6KZF	5.6 ±10%	60	7.96	35.0	0.35	640
RCB05066R8KZF	6.8 ±10%	60	7.96	30.0	0.40	620
RCB05068R2KZF	8.2 ±10%	60	7.96	25.0	0.40	590
RCB0506100KZF	10.0 ±10%	60	2.52	20.0	0.45	550
RCB0506120KZF	12.0 ±10%	60	2.52	15.0	0.50	530
RCB0506150KZF	15.0 ±10%	60	2.52	13.0	0.55	500
RCB0506180KZF	18.0 ±10%	60	2.52	11.0	0.60	480
RCB0506220KZF	22.0 ±10%	60	2.52	10.0	0.65	460
RCB0506270KZF	27.0 ±10%	50	2.52	9.0	0.75	430
RCB0506330KZF	33.0 ±10%	50	2.52	8.0	0.85	410
RCB0506390KZF	39.0 ±10%	50	2.52	7.5	0.90	390
RCB0506470KZF	47.0 ±10%	50	2.52	7.0	1.00	370
RCB0506560KZF	56.0 ±10%	50	2.52	6.5	1.20	350
RCB0506680KZF	68.0 ±10%	50	2.52	6.0	1.30	340
RCB0506820KZF	82.0 ±10%	50	2.52	5.5	1.50	320
RCB0506101KZF	100.0 ±10%	50	0.796	5.0	1.70	305
RCB0506121KZF	120.0 ±10%	50	0.796	4.8	1.90	290
RCB0506151KZF	150.0 ±10%	50	0.796	4.4	2.10	275
RCB0506181KZF	180.0 ±10%	50	0.796	4.2	2.30	235
RCB0506221KZF	220.0 ±10%	45	0.796	3.8	2.50	200
RCB0506271KZF	270.0 ±10%	45	0.796	3.6	2.75	180
RCB0506331KZF	330.0 ±10%	45	0.796	3.3	4.68	165
RCB0506391KZF	390.0 ±10%	45	0.796	3.0	6.00	150
RCB0506471KZF	470.0 ±10%	55	0.796	2.8	6.50	140
RCB0506561KZF	560.0 ±10%	55	0.796	2.4	8.50	135
RCB0506681KZF	680.0 ±10%	55	0.796	2.2	9.00	125
RCB0506821KZF	820.0 ±10%	55	0.796	2.0	9.60	120
RCB0506102KZF	1000.0 ±10%	55	0.252	1.8	11.50	100

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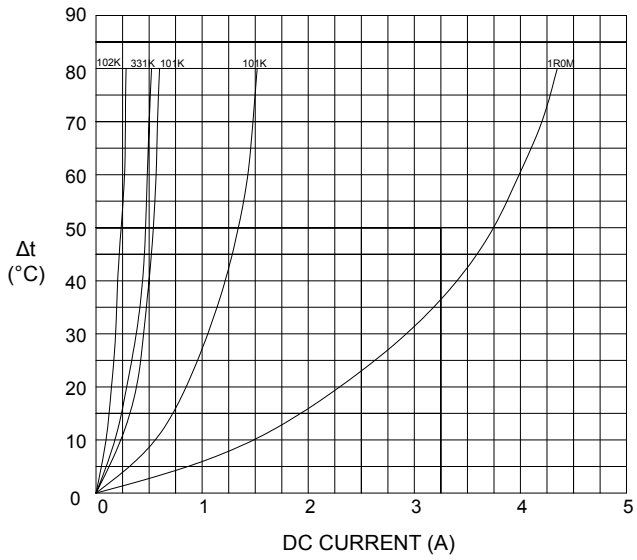
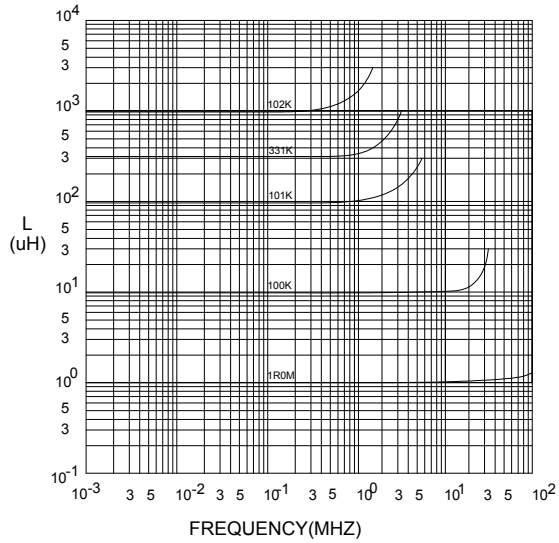
7. CHARACTERISTICS CURVES :

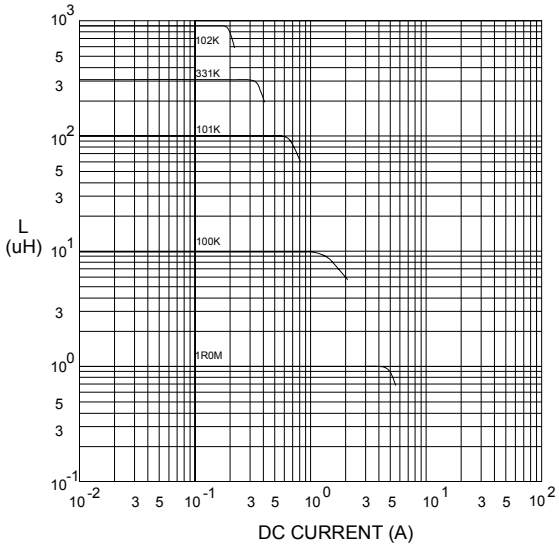
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ 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

	Coating Type		ANSI	
Mtl Dsg	BC	TC	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
SHENZEN SCIENCE & INDUSTRY PARK NAN SHAN
SHENZHEN, GUANGDONG 518057 CHINA

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

#Tubing is consideed 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 Geberal 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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