RADIAL CHOKE COIL

RCB0812 SERIES

1. PART NO. EXPRESSION :

R C B 0 8 1 2 1 0 1 M Z F

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

(a) Series code

(b) Dimension code

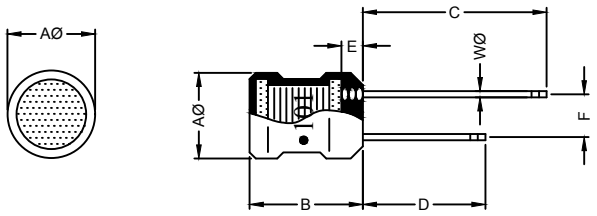
(c) Inductance code : 101 = 100uH

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

(e) X, Y, Z : Standard part

(f) F : Lead Free

2. CONFIGURATION & DIMENSIONS :



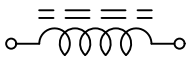
Marking :

" ● " : Start

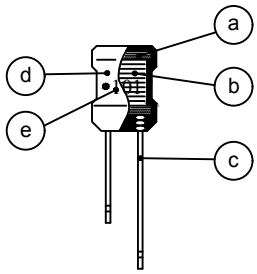
Unit:m/m

AØ	B	C	D	E	F	WØ
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±0.1

3. SCHEMATIC :



4. MATERIALS :



(a) CORE

(b) WIRE

(c) LEAD

(d) TUBE

(e) INK

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 +125°C

RoHS Compliant

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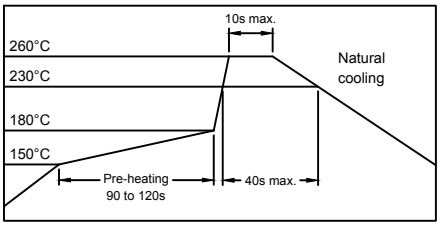
15.09.2016

6. ELECTRICAL CHARACTERISTICS :

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

RECOMMENDED SOLDERING CONDITIONS

REFLOW SOLDERINGS



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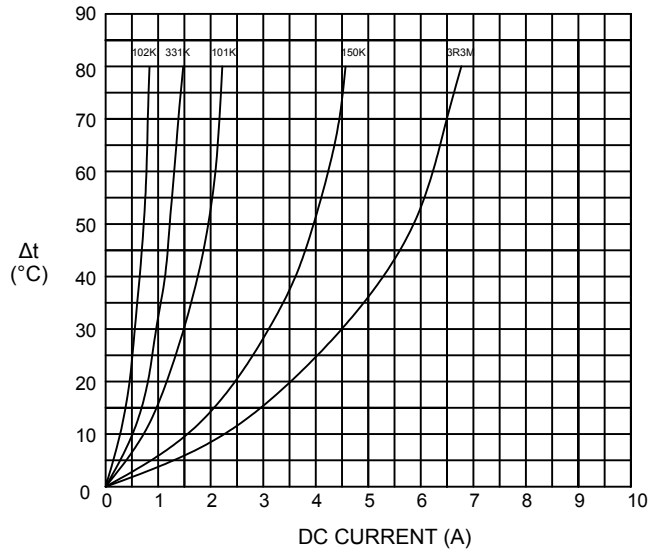
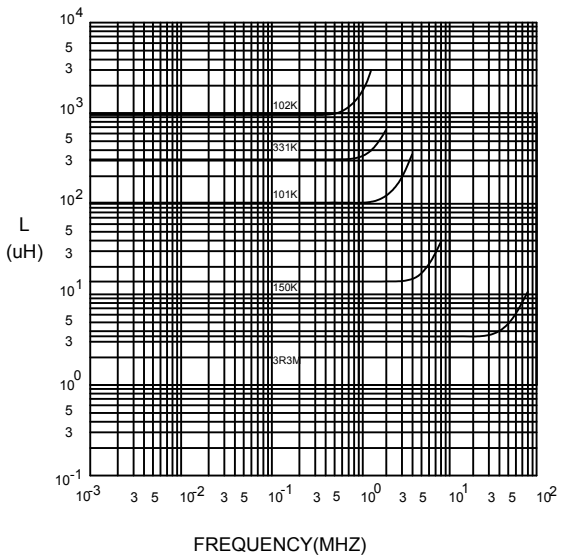
7. CHARACTERISTICS CURVES :

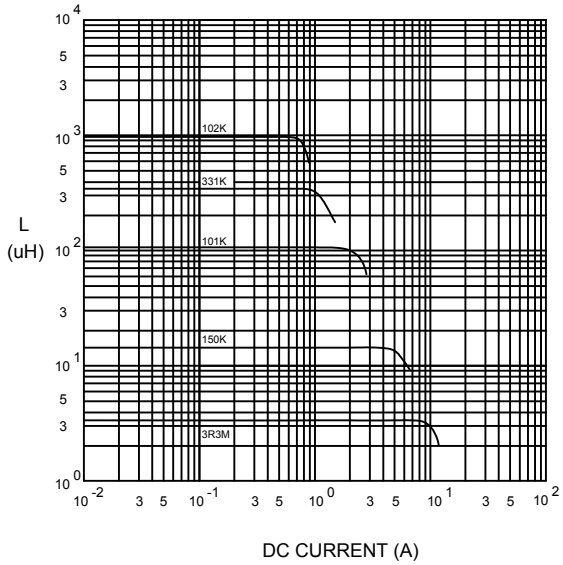
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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8. PACKAGING INFORMATION :

CODE	INNER PACKAGE	INNER PACKAGE Q'TY
F	TRAY	200 PCS

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