RADIAL CHOKE COIL

RCB0810 SERIES

1. PART NO. EXPRESSION :

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

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

(a) Series code

(b) Dimension code

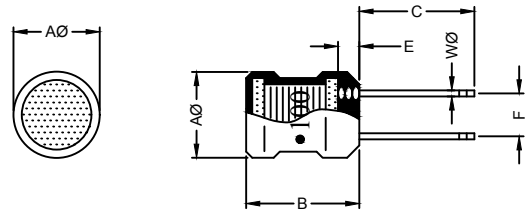
(c) Inductance code : 100 = 10uH

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

(e) X, Y, Z : Standard part

(f) F : Lead Free

2. CONFIGURATION & DIMENSIONS :



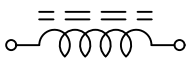
Marking :

" ● " : Start

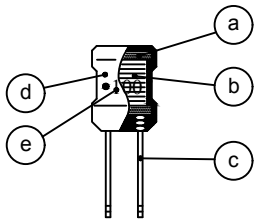
Unit:m/m

AØ	B	C	E	F	WØ
8.7±0.5	10.00±1.0	5.00±1.0	2.50 Max.	5.00±0.8	0.65 Ref.

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) THE INDUCTANCE DROP AT RATED CURRENT IS 10% TYP.

c) STORAGE TEMP. : -40°C TO +125°C

d) OPERATING TEMP. : -40°C TO +125°C

Pb

RoHS Compliant

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

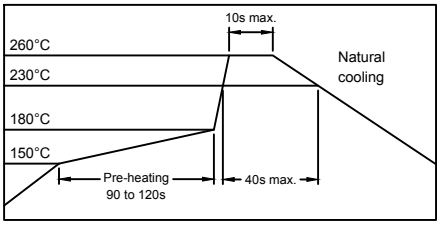
15.09.2016

6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μH)	Test Frequency (Hz)	Q Ref.	Test Frequency (Hz)	SRF (MHz) Typ.	RDC (Ω) Max.	IDC (A) Max.	ISAT (A) Max.
RCB08101R5MZF	1.5 ±20%	1V/1K	30	1V/7.960M	78.0	0.008	5.40	5.40
RCB08102R2MZF	2.2 ±20%	1V/1K	30	1V/7.960M	63.0	0.010	4.50	4.50
RCB08103R3MZF	3.3 ±20%	1V/1K	30	1V/7.960M	50.0	0.018	3.60	3.60
RCB08104R7MZF	4.7 ±20%	1V/1K	30	1V/7.960M	41.0	0.022	3.10	3.10
RCB08106R8MZF	6.8 ±20%	1V/1K	30	1V/7.960M	33.0	0.028	2.50	2.50
RCB0810100KZF	10.0 ±10%	1V/1K	60	1V/2.520M	27.0	0.043	2.10	2.10
RCB0810150KZF	15.0 ±10%	1V/1K	50	1V/2.520M	21.0	0.056	1.70	1.70
RCB0810220KZF	22.0 ±10%	1V/1K	50	1V/2.520M	17.0	0.086	1.40	1.40
RCB0810330KZF	33.0 ±10%	1V/1K	45	1V/2.520M	13.0	0.140	1.10	1.10
RCB0810470KZF	47.0 ±10%	1V/1K	40	1V/2.520M	11.0	0.170	0.96	0.96
RCB0810680KZF	68.0 ±10%	1V/1K	35	1V/2.520M	9.0	0.280	0.79	0.79
RCB0810101KZF	100.0 ±10%	1V/1K	55	1V/0.796M	7.2	0.330	0.66	0.66
RCB0810151KZF	150.0 ±10%	1V/1K	40	1V/0.796M	5.7	0.560	0.53	0.53
RCB0810221KZF	220.0 ±10%	1V/1K	30	1V/0.796M	4.5	0.720	0.44	0.44
RCB0810331KZF	330.0 ±10%	1V/1K	25	1V/0.796M	3.6	1.100	0.36	0.36
RCB0810471KZF	470.0 ±10%	1V/1K	25	1V/0.796M	2.9	1.700	0.30	0.30
RCB0810681KZF	680.0 ±10%	1V/1K	25	1V/0.796M	2.3	2.300	0.25	0.25
RCB0810102KZF	1000.0 ±10%	1V/1K	55	1V/0.252M	1.9	4.300	0.20	0.20

RECOMMENDED SOLDERING CONDITIONS

REFLOW SOLDERINGS

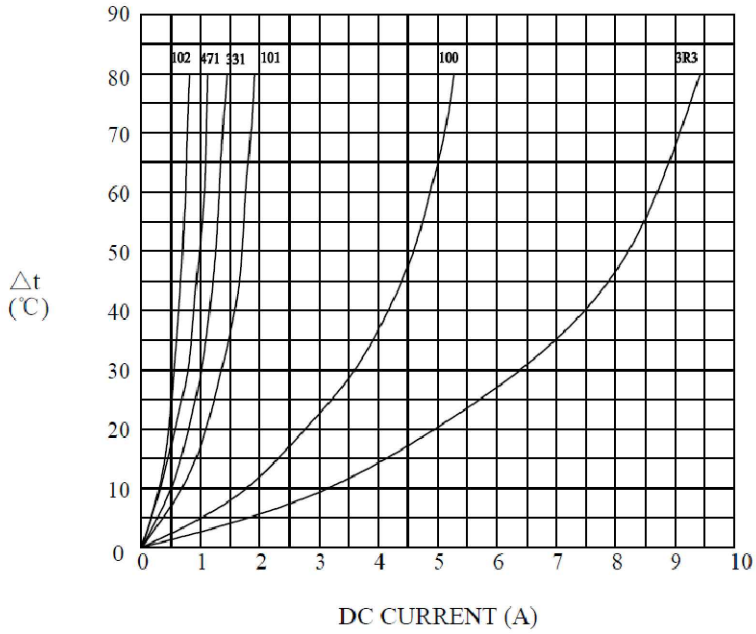


RoHS Compliant

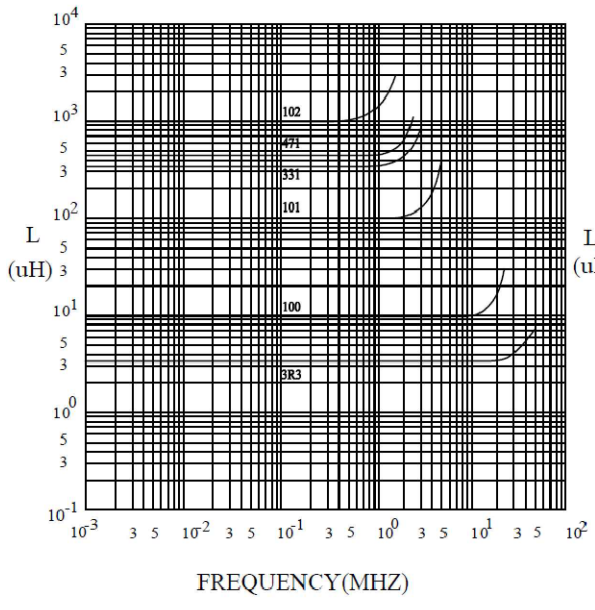
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7. CHARACTERISTICS CURVES :

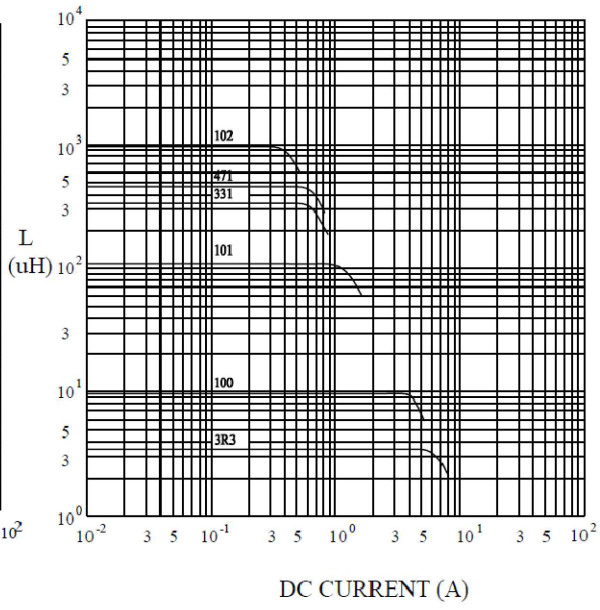
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



RoHS Compliant

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8. PACKAGING INFORMATION :

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

RoHS Compliant

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