

1. PART NO. EXPRESSION :

R C B 1 8 2 3 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 :

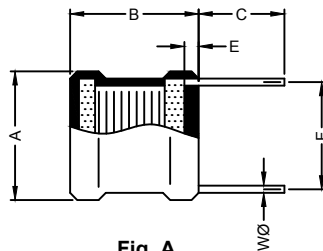


Fig. A

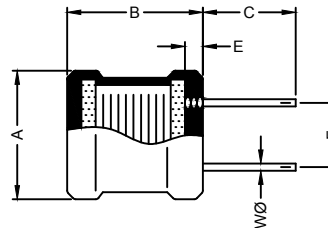
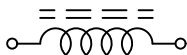


Fig. B

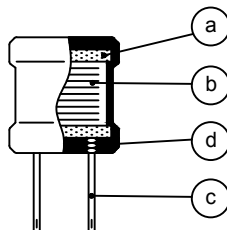
Unit:m/m

A	B	C	E
18.0 Max.	23.0 Max.	15.0 $\pm$ 5.0	15.0 $\pm$ 5.0

3. SCHEMATIC :



4. MATERIALS :



(a) CORE

(b) WIRE

(c) LEAD

(d) TUBE

5. GENERAL SPECIFICATION :

a) L/L0A: 10% MAX. AT RATED CURRENT

b) TEMP. RISE: 45°C MAX. AT RATED CURRENT

c) STORAGE TEMP.: -40°C TO +125°C

d) OPERATING TEMP.: -25°C TO +80°C



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

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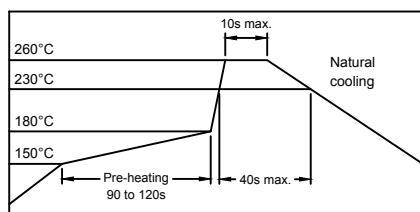
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PG. 1

6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Test Frequency (Hz)	RDC (Ω) Max.	IDC (A) Max.	Dimensions		Fig.
					F m/m	W m/m	
RCB1823100MZ	10 $\pm$ 20%	1V / 1K	0.009	8.0	14.0	1.2	A
RCB1823250KZF	25 $\pm$ 10%	1V / 1K	0.022	6.0	14.0	1.0	A
RCB1823500KZF	50 $\pm$ 10%	1V / 1K	0.036	4.0	14.0	1.0	A
RCB1823101KZF	100 $\pm$ 10%	1V / 1K	0.090	3.0	9.0	1.0	B
RCB1823251KZF	250 $\pm$ 10%	1V / 1K	0.150	2.0	9.0	1.0	B
RCB1823501KZF	500 $\pm$ 10%	1V / 1K	0.300	1.2	9.0	1.0	B
RCB1823102KZF	1000 $\pm$ 10%	1V / 1K	0.600	1.0	9.0	1.0	B

RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS



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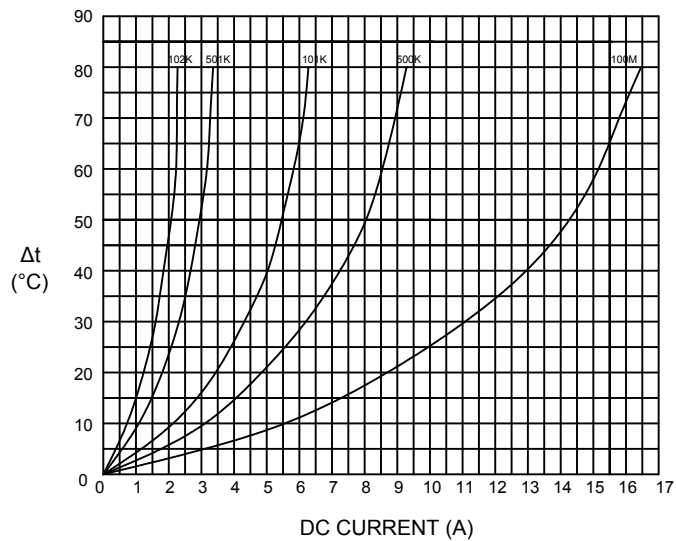


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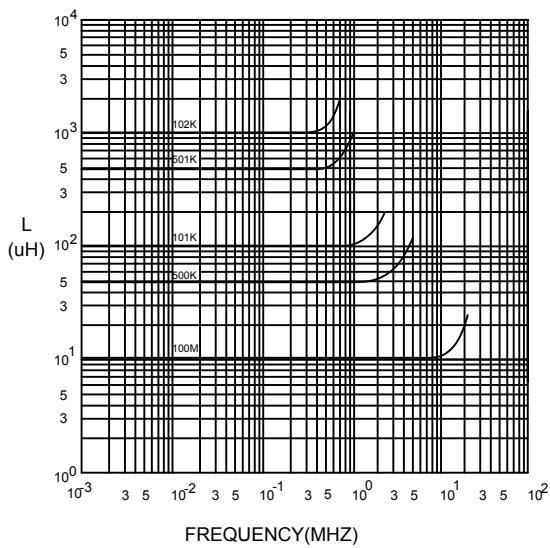
PG. 2

7. CHARACTERISTICS CURVES :

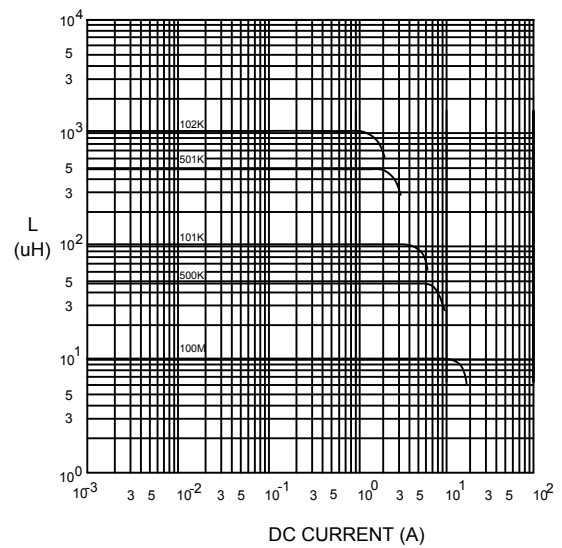
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ 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	100 PCS



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