

1. PART NO. EXPRESSION :

R C B 0 9 1 2 1 0 1 K Z F
(a) (b) (c) (d)(e)(f)

(a) Series code

(b) Dimension code

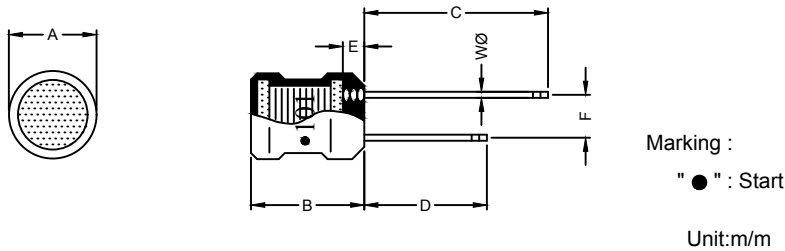
(c) Inductance code : 101 = 100uH

(d) Tolerance code : K = $\pm 10\%$

(e) X, Y, Z : Standard part

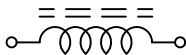
(f) F : Lead Free

2. CONFIGURATION & DIMENSIONS :

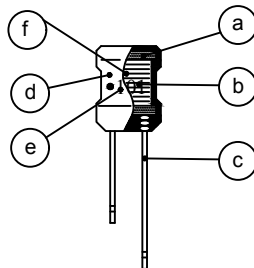


A	B	C	D	E	F	WØ
8.7 $\pm$ 0.5	12.0 $\pm$ 1.0	25.0 $\pm$ 5.0	18.0 $\pm$ 5.0	2.5 Max.	5.0 $\pm$ 0.8	0.65 $\pm$ 0.10

3. SCHEMATIC :



4. MATERIALS :



(a) CORE

(b) WIRE

(c) LEAD

(d) TUBE

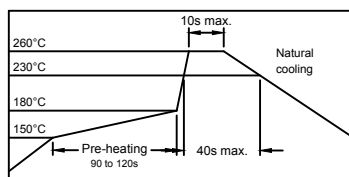
(e) INK

(f) ADHESIVE

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

RECOMMENDED SOLDERING CONDITIONS
REFLOW SOLDERINGS



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6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Q Min.	Test Frequency (KHz)	SRF (MHz) Min.	RDC (Ω) Max.	IDC (mA) Max.	ISAT (mA) Max.
RCB0912101KZF	100 $\pm$ 10%	45	1V/796.0	3.20	0.85	350	350
RCB0912121KZF	120 $\pm$ 10%	45	1V/796.0	3.00	0.95	330	330
RCB0912151KZF	150 $\pm$ 10%	45	1V/796.0	2.80	1.05	310	310
RCB0912181KZF	180 $\pm$ 10%	45	1V/796.0	2.50	1.15	300	300
RCB0912221KZF	220 $\pm$ 10%	40	1V/796.0	2.10	1.30	280	280
RCB0912271KZF	270 $\pm$ 10%	40	1V/796.0	2.00	1.50	260	260
RCB0912331KZF	330 $\pm$ 10%	40	1V/796.0	1.95	1.70	240	240
RCB0912391KZF	390 $\pm$ 10%	40	1V/796.0	1.85	1.85	230	230
RCB0912471KZF	470 $\pm$ 10%	35	1V/796.0	1.55	2.30	210	210
RCB0912561KZF	560 $\pm$ 10%	35	1V/796.0	1.30	2.55	200	200
RCB0912681KZF	680 $\pm$ 10%	35	1V/796.0	1.15	2.85	190	190
RCB0912821KZF	820 $\pm$ 10%	35	1V/796.0	1.00	3.10	180	180
RCB0912102KZF	1000 $\pm$ 10%	50	1V/252.0	0.90	4.10	160	160
RCB0912122KZF	1200 $\pm$ 10%	50	1V/252.0	0.80	4.70	150	150
RCB0912152KZF	1500 $\pm$ 10%	50	1V/252.0	0.70	5.80	130	130
RCB0912182KZF	1800 $\pm$ 10%	50	1V/252.0	0.60	7.40	115	115
RCB0912222KZF	2200 $\pm$ 10%	50	1V/252.0	0.55	8.40	110	110
RCB0912272KZF	2700 $\pm$ 10%	50	1V/252.0	0.50	9.60	95	95
RCB0912332KZF	3300 $\pm$ 10%	50	1V/252.0	0.45	10.50	80	80
RCB0912392KZF	3900 $\pm$ 10%	50	1V/252.0	0.40	12.00	70	70
RCB0912472KZF	4700 $\pm$ 10%	45	1V/252.0	0.38	14.00	65	65
RCB0912562KZF	5600 $\pm$ 10%	45	1V/252.0	0.36	16.00	60	60
RCB0912682KZF	6800 $\pm$ 10%	40	1V/252.0	0.34	18.00	55	55
RCB0912822KZF	8200 $\pm$ 10%	40	1V/252.0	0.32	24.50	50	50
RCB0912103KZF	10000 $\pm$ 10%	50	1V/79.6	0.30	32.00	45	45
RCB0912123KZF	12000 $\pm$ 10%	50	1V/79.6	0.28	36.00	40	40
RCB0912153KZF	15000 $\pm$ 10%	50	1V/79.6	0.26	48.00	35	35
RCB0912183KZF	18000 $\pm$ 10%	45	1V/79.6	0.24	52.00	30	30
RCB0912223KZF	22000 $\pm$ 10%	45	1V/79.6	0.22	58.00	28	28
RCB0912273KZF	27000 $\pm$ 10%	45	1V/79.6	0.20	62.00	26	26
RCB0912333KZF	33000 $\pm$ 10%	45	1V/79.6	0.18	90.00	24	24
RCB0912393KZF	39000 $\pm$ 10%	40	1V/79.6	0.17	100.00	22	22
RCB0912473KZF	47000 $\pm$ 10%	35	1V/79.6	0.16	150.00	20	20
RCB0912563KZF	56000 $\pm$ 10%	35	1V/79.6	0.15	200.00	18	18
RCB0912683KZF	68000 $\pm$ 10%	35	1V/79.6	0.14	220.00	16	16
RCB0912823KZF	82000 $\pm$ 10%	30	1V/79.6	0.12	240.00	14	14



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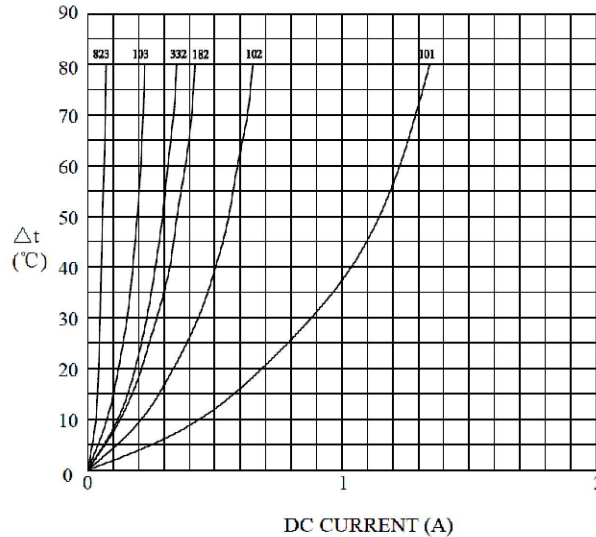


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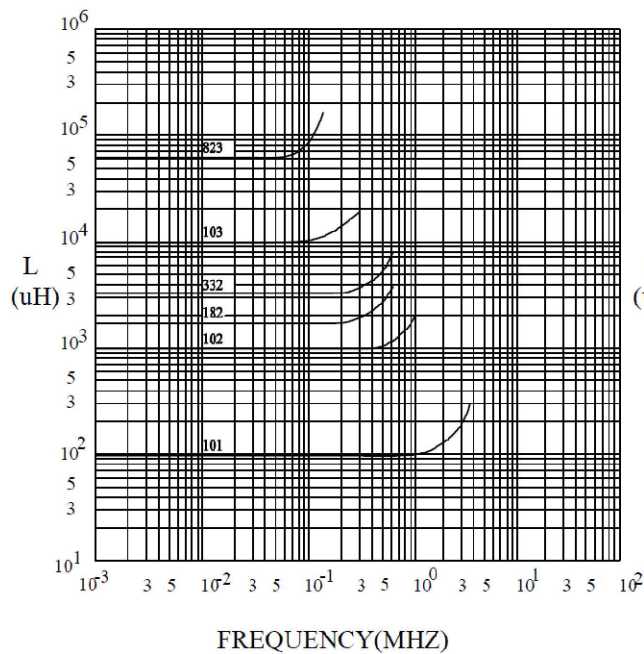
PG. 2

7. CHARACTERISTICS CURVES :

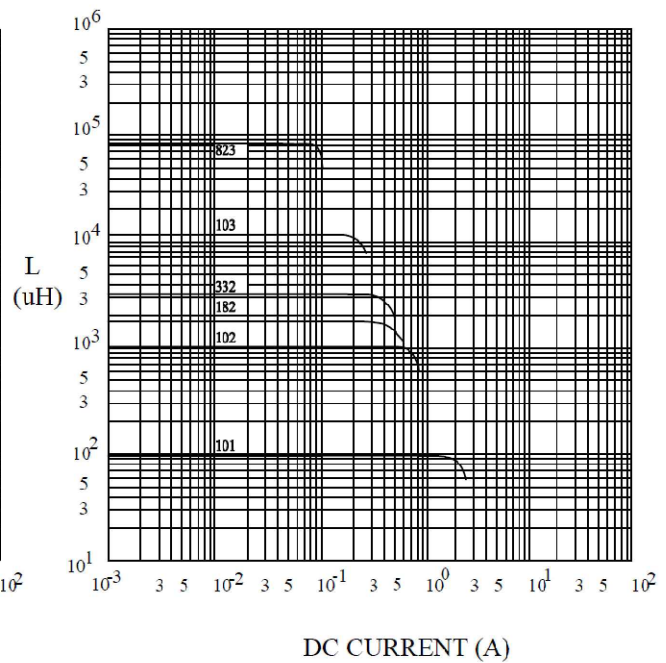
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ 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	200 PCS



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