

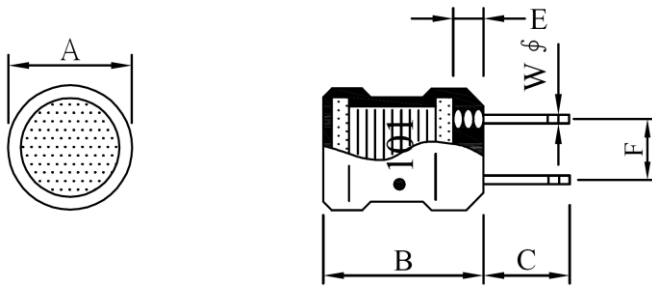
1. Part No. Expression:

R C B 0 9 1 2 1 0 1 K Z F

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

- (a) Series Code
- (b) Dimension Code
- (c) Inductance Code
- (d) Tolerance Code
- (e) Standard Part
- (f) RoHS Compliant

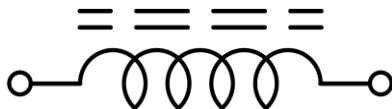
2. Configuration & Dimensions:



Unit : mm

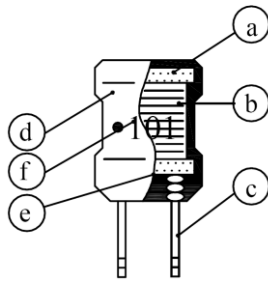
A	B	C	E	F	Wφ
8.70±0.5	12.0±1.0	4.00±1.0	2.50 Max.	5.00±0.8	0.65±0.1

3. Schematic:



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

4. Material List:



- (a) Core
- (b) Wire
- (c) Lead
- (d) Tube
- (e) Adhesive
- (f) Ink

5. General Specification:

- (a) Operating Temp. : -40°C to +125°C
- (b) Storage Temp. : -40°C to +125°C
- (c) Temp. Rise. : 20°C Max. At rated current.
- (d) The inductance drop is 10% Typ. At rated current.

6. Electrical Characteristics:

Part Number	Inductance (uH) ±10%	Q Min.	Test Frequency (Hz)	SRF (MHz) Min.	DCR (Ω) Max.	Isat (mA) Max.	Irms (mA) Max.
RCB0912101KZF	100	45	1.0V/796K	3.20	0.85	350	350
RCB0912121KZF	120	45	1.0V/796K	3.00	0.95	330	330
RCB0912151KZF	150	45	1.0V/796K	2.80	1.05	310	310
RCB0912181KZF	180	45	1.0V/796K	2.50	1.15	300	300
RCB0912221KZF	220	40	1.0V/796K	2.10	1.30	280	280
RCB0912271KZF	270	40	1.0V/796K	2.00	1.50	260	260
RCB0912331KZF	330	40	1.0V/796K	1.95	1.70	240	240
RCB0912391KZF	390	40	1.0V/796K	1.85	1.85	230	230
RCB0912471KZF	470	35	1.0V/796K	1.55	2.30	210	210
RCB0912561KZF	560	35	1.0V/796K	1.30	2.55	200	200
RCB0912681KZF	680	35	1.0V/796K	1.15	2.85	190	190
RCB0912821KZF	820	35	1.0V/796K	1.00	3.10	180	180

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



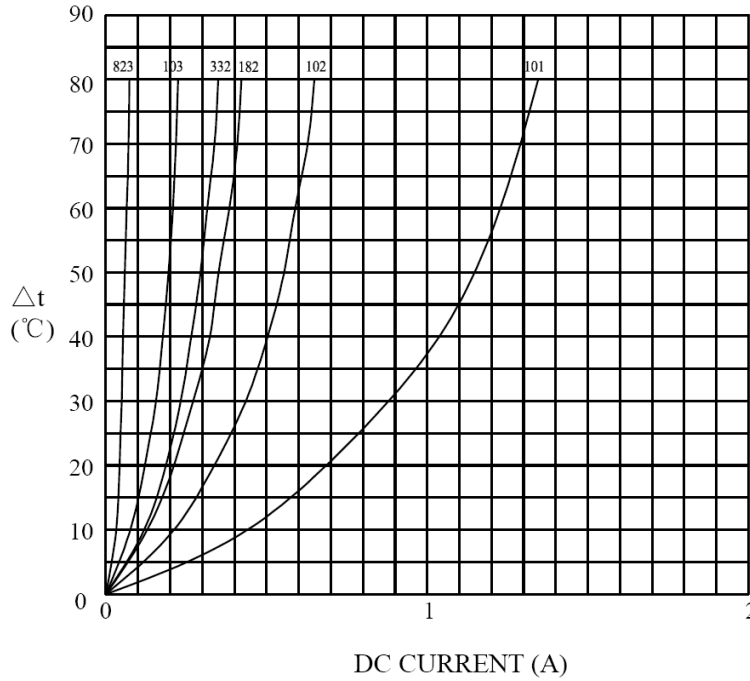
Part Number	Inductance (μ H) $\pm 10\%$	Q Min.	Test Frequency (Hz)	SRF (MHz) Min.	DCR (Ω) Max.	Isat (mA) Max.	Irms (mA) Max.
RCB0912102KZF	1000	50	1.0V/252K	0.90	4.10	160	160
RCB0912122KZF	1200	50	1.0V/252K	0.80	4.70	150	150
RCB0912152KZF	1500	50	1.0V/252K	0.70	5.80	130	130
RCB0912182KZF	1800	50	1.0V/252K	0.60	7.40	115	115
RCB0912222KZF	2200	50	1.0V/252K	0.55	8.40	110	110
RCB0912272KZF	2700	50	1.0V/252K	0.50	9.60	95	95
RCB0912332KZF	3300	50	1.0V/252K	0.45	10.5	80	80
RCB0912392KZF	3900	50	1.0V/252K	0.40	12.0	70	70
RCB0912472KZF	4700	45	1.0V/252K	0.38	14.0	65	65
RCB0912562KZF	5600	45	1.0V/252K	0.36	16.0	60	60
RCB0912682KZF	6800	40	1.0V/252K	0.34	18.0	55	55
RCB0912822KZF	8200	40	1.0V/252K	0.32	24.5	50	50
RCB0912103KZF	10000	50	1.0V/79.6K	0.30	32.0	45	45
RCB0912123KZF	12000	50	1.0V/79.6K	0.28	36.0	40	40
RCB0912153KZF	15000	50	1.0V/79.6K	0.26	48.0	35	35
RCB0912183KZF	18000	45	1.0V/79.6K	0.24	52.0	30	30
RCB0912223KZF	22000	45	1.0V/79.6K	0.22	58.0	28	28
RCB0912273KZF	27000	45	1.0V/79.6K	0.20	62.0	26	26
RCB0912333KZF	33000	45	1.0V/79.6K	0.18	90.0	24	24
RCB0912393KZF	39000	40	1.0V/79.6K	0.17	100	22	22
RCB0912473KZF	47000	35	1.0V/79.6K	0.16	150	20	20
RCB0912563KZF	56000	35	1.0V/79.6K	0.15	200	18	18
RCB0912683KZF	68000	35	1.0V/79.6K	0.14	220	16	16
RCB0912823KZF	82000	30	1.0V/79.6K	0.12	240	14	14

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

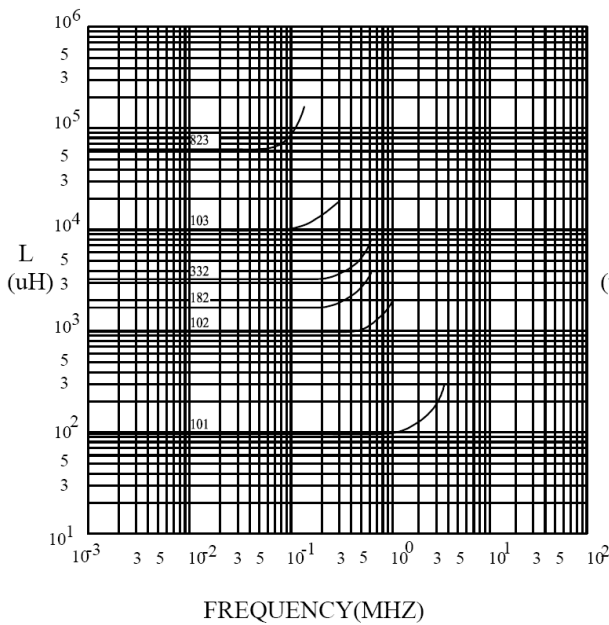


7. Characteristics Curve:

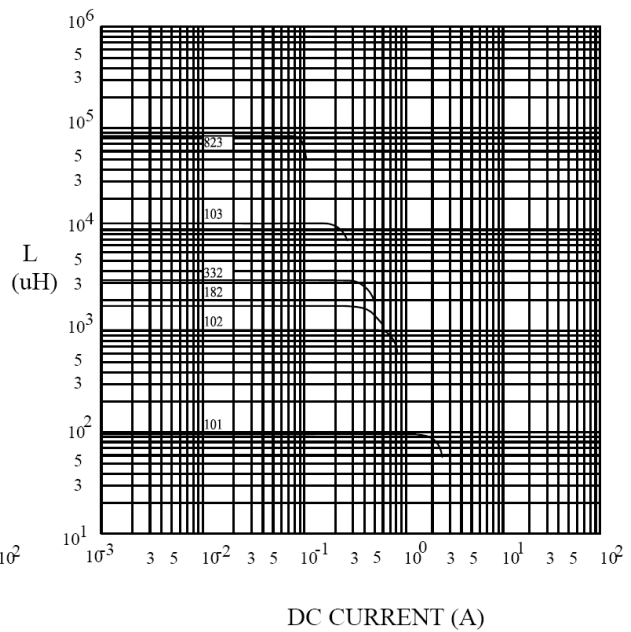
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE

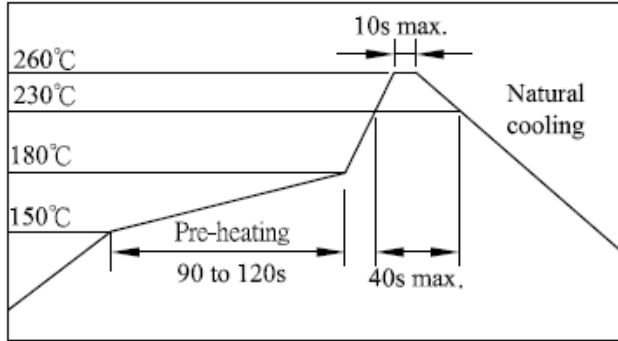


NOTE: Specifications subject to change without notice. Please check our website for latest information.



8. Soldering:

RECOMMENDED SOLDERING CONDITIONS
REFLOW SOLDERINGS



9. Packaging Information:

Size	RCB0912
Qty/PE Bag	200 PCS
Inner Box	1000 PCS
Carton	4000 PCS

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

