

1. PART NO. EXPRESSION :

R C S 1 0 1 0 6 8 0 K Z F

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

(a) Series code

(b) Dimension code

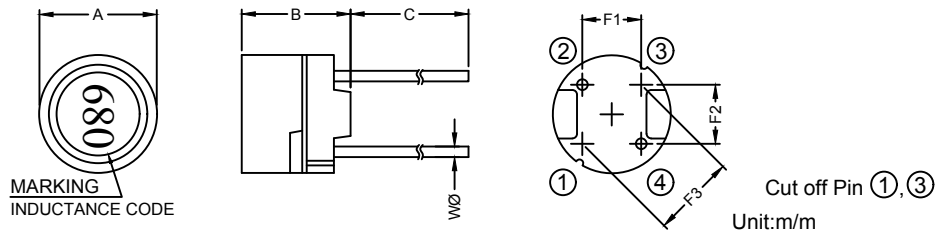
(c) Inductance code : 680 = 68uH

(d) Tolerance code : K = $\pm 10\%$, M = $\pm 20\%$

(e) X, Y, Z : Standard part

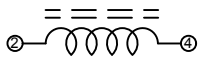
(f) F : Lead Free

2. CONFIGURATION & DIMENSIONS :

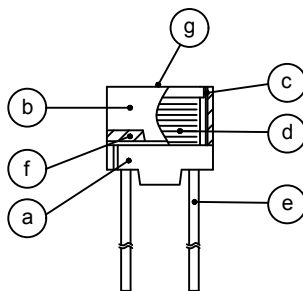


A	B	C	F1	F2	F3	WØ
10.0 $\pm$ 0.5	10.0 $\pm$ 0.5	15.00 $\pm$ 3.0	4.00 $\pm$ 0.5	5.00 $\pm$ 0.5	6.40 $\pm$ 0.5	0.80 $\pm$ 0.10

3. SCHEMATIC :



4. MATERIALS :



(a) DR CORE

(b) RI CORE

(c) SLEEVE

(d) WIRE

(e) LEAD

(f) ADHESIVE

(g) INK

5. GENERAL SPECIFICATION :

- a) L/L0A: 10% MAX. AT RATED CURRENT
- b) TEMP. RISE : 40°C MAX. AT RATED CURRENT
- c) STORAGE TEMP.: -40°C TO +125°C
- d) OPERATING TEMP.: -40°C TO +125°C



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6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Test Frequency (Hz)	RDC (Ω) Max.	IDC (A) Max.
RCS1010100MZF	10 $\pm$ 20%	1V/2.52M	0.023	3.51
RCS1010120MZF	12 $\pm$ 20%	1V/2.52M	0.024	3.24
RCS1010150MZF	15 $\pm$ 20%	1V/2.52M	0.036	2.88
RCS1010180MZF	18 $\pm$ 20%	1V/2.52M	0.039	2.61
RCS1010220MZF	22 $\pm$ 20%	1V/2.52M	0.042	2.34
RCS1010270MZF	27 $\pm$ 20%	1V/2.52M	0.045	2.16
RCS1010330MZF	33 $\pm$ 20%	1V/2.52M	0.057	1.89
RCS1010390MZF	39 $\pm$ 20%	1V/2.52M	0.076	1.80
RCS1010470MZF	47 $\pm$ 20%	1V/2.52M	0.100	1.62
RCS1010560KZF	56 $\pm$ 10%	1V/2.52M	0.110	1.44
RCS1010680KZF	68 $\pm$ 10%	1V/2.52M	0.150	1.35
RCS1010820KZF	82 $\pm$ 10%	1V/2.52M	0.160	1.26
RCS1010101KZF	100 $\pm$ 10%	1V/1K	0.190	1.08
RCS1010121KZF	120 $\pm$ 10%	1V/1K	0.210	0.99
RCS1010151KZF	150 $\pm$ 10%	1V/1K	0.230	0.90
RCS1010181KZF	180 $\pm$ 10%	1V/1K	0.260	0.82
RCS1010221KZF	220 $\pm$ 10%	1V/1K	0.290	0.74
RCS1010271KZF	270 $\pm$ 10%	1V/1K	0.360	0.67
RCS1010331KZF	330 $\pm$ 10%	1V/1K	0.510	0.61
RCS1010391KZF	390 $\pm$ 10%	1V/1K	0.690	0.55
RCS1010471KZF	470 $\pm$ 10%	1V/1K	0.980	0.51
RCS1010561KZF	560 $\pm$ 10%	1V/1K	1.100	0.46
RCS1010681KZF	680 $\pm$ 10%	1V/1K	1.200	0.42
RCS1010821KZF	820 $\pm$ 10%	1V/1K	1.300	0.38
RCS1010102KZF	1000 $\pm$ 10%	1V/1K	1.500	0.35



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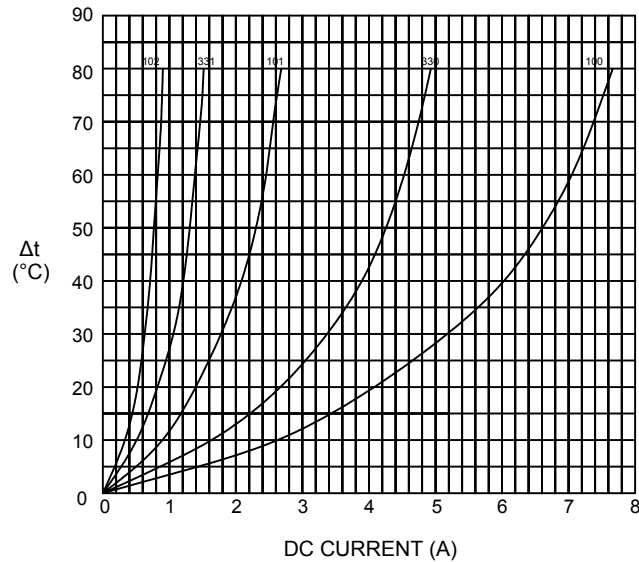
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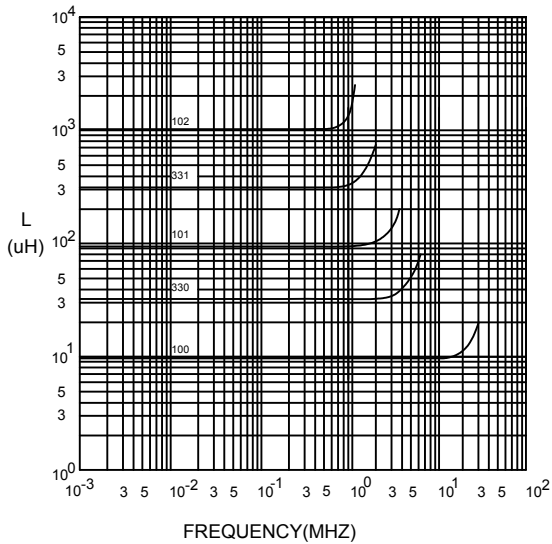
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7. CHARACTERISTICS CURVES :

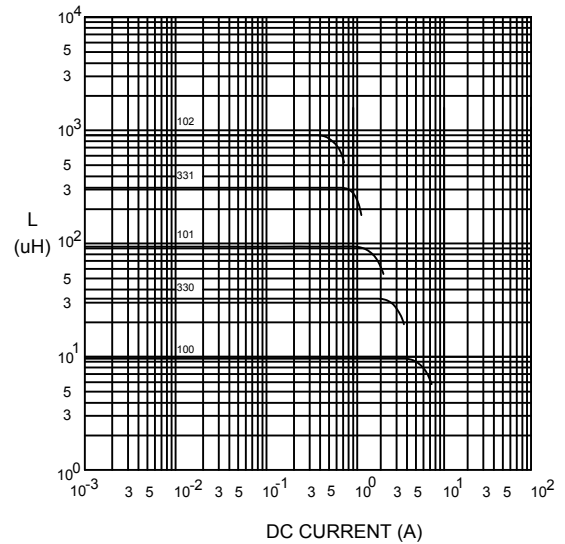
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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21.04.2015



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8. PACKING AND QUANTITY :

CODE	INNER PACKAGE	INNER PACKAGE Q'TY
F	TRAY	120 PCS



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