

### 1. PART NO. EXPRESSION :

R C C 0 8 0 5 1 0 1 M Z F

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

(a) Series code

(b) Dimension code

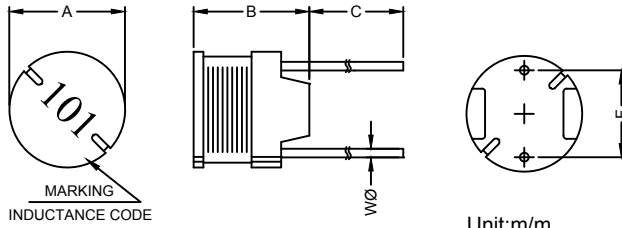
(c) Inductance code : 101 = 100uH

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

(e) X, Y, Z : Standard part

(f) F : Lead Free

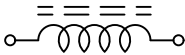
### 2. CONFIGURATION & DIMENSIONS :



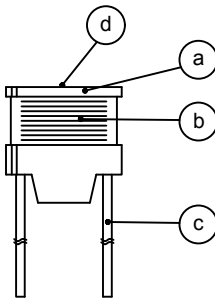
Unit:m/m

A	B	C	F	WØ
7.80 $\pm$ 0.50	5.50 Max.	15.00 $\pm$ 3.00	5.00 $\pm$ 0.50	0.65 $\pm$ 0.10

### 3. SCHEMATIC :



### 4. MATERIALS :



(a) CORE

(b) WIRE

(c) LEAD

(d) INK

### 5. GENERAL SPECIFICATION :

- THE INDUCTANCE DROP AT RATED IS 10% MAX.
- TEMP. RISE : 40°C MAX. AT RATED CURRENT
- STORAGE TEMP.: -40°C TO 125°C
- OPERATING TEMP.: -40°C TO 85°C



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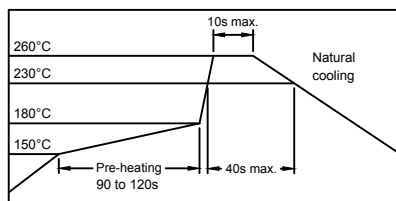


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### 6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance ( $\mu$ H )	Test Frequency ( Hz )	RDC ( $\Omega$ ) Max.	IDC ( A ) Max.
RCC0805100MZF	10 $\pm$ 20%	1V/2.52M	0.07	2.50
RCC0805120MZF	12 $\pm$ 20%	1V/2.52M	0.08	2.40
RCC0805150MZF	15 $\pm$ 20%	1V/2.52M	0.09	2.10
RCC0805180MZF	18 $\pm$ 20%	1V/2.52M	0.10	2.00
RCC0805220KZF	22 $\pm$ 10%	1V/2.52M	0.12	1.70
RCC0805270KZF	27 $\pm$ 10%	1V/2.52M	0.14	1.60
RCC0805330KZF	33 $\pm$ 10%	1V/2.52M	0.17	1.40
RCC0805390KZF	39 $\pm$ 10%	1V/2.52M	0.21	1.30
RCC0805470KZF	47 $\pm$ 10%	1V/2.52M	0.24	1.20
RCC0805560KZF	56 $\pm$ 10%	1V/2.52M	0.31	1.10
RCC0805680KZF	68 $\pm$ 10%	1V/2.52M	0.34	1.00
RCC0805820KZF	82 $\pm$ 10%	1V/2.52M	0.40	0.93
RCC0805101KZF	100 $\pm$ 10%	1V/1K	0.52	0.81
RCC0805121KZF	120 $\pm$ 10%	1V/1K	0.59	0.76
RCC0805151KZF	150 $\pm$ 10%	1V/1K	0.71	0.67
RCC0805181KZF	180 $\pm$ 10%	1V/1K	0.89	0.62
RCC0805221KZF	220 $\pm$ 10%	1V/1K	1.04	0.54
RCC0805271KZF	270 $\pm$ 10%	1V/1K	1.28	0.49
RCC0805331KZF	330 $\pm$ 10%	1V/1K	1.47	0.44
RCC0805391KZF	390 $\pm$ 10%	1V/1K	1.67	0.41
RCC0805471KZF	470 $\pm$ 10%	1V/1K	1.95	0.38
RCC0805561KZF	560 $\pm$ 10%	1V/1K	2.83	0.35
RCC0805681KZF	680 $\pm$ 10%	1V/1K	3.25	0.32
RCC0805821KZF	820 $\pm$ 10%	1V/1K	3.82	0.31
RCC0805102KZF	1000 $\pm$ 10%	1V/1K	5.28	0.25

### RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS



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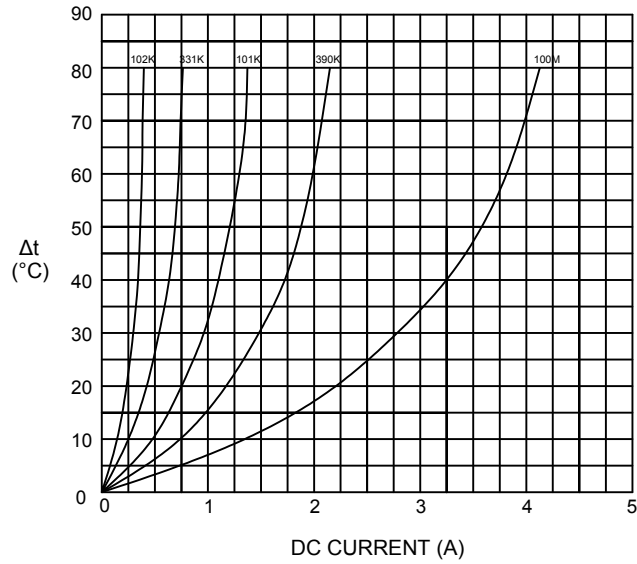
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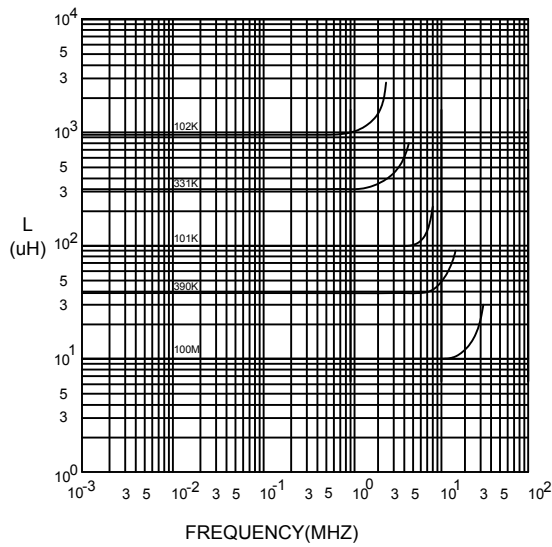
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### 7. CHARACTERISTICS CURVES :

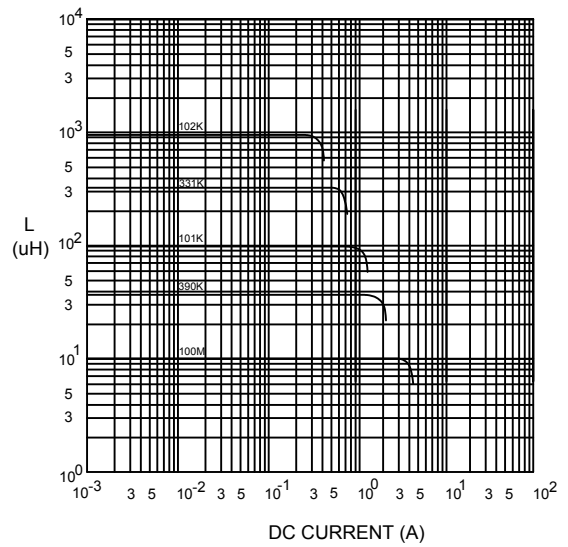
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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### 8. PACKAGING INFORMATION :

CODE	INNER PACKAGE	INNER PACKAGE Q'TY
F	TRAY	160 PCS



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