

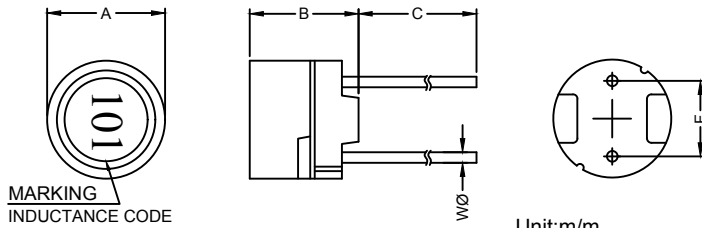
1. PART NO. EXPRESSION :

RCS0807101KZF
 (a) (b) (c) (d)(e)(f)

- (a) Series code
- (b) Dimension code
- (c) Inductance code : 101 = 100uH

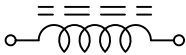
- (d) Tolerance code : K = ±10%, L = ±15%
- (e) X, Y, Z : Standard part
- (f) F : Lead Free

2. CONFIGURATION & DIMENSIONS :

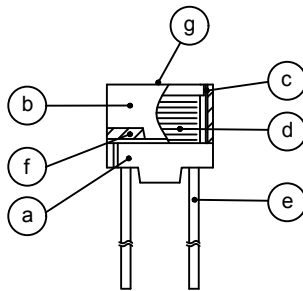


| A | B | C | F | WØ |
|----------|-----------|-----------|----------|-----------|
| 7.80±0.5 | 7.50 Max. | 15.00±3.0 | 5.00±0.5 | 0.65±0.10 |

3. SCHEMATIC :



4. MATERIALS :



- (a) DR CORE
- (b) RI CORE
- (c) SLEEVE
- (d) WIRE
- (e) LEAD
- (f) ADHESIVE
- (g) INK

5. GENERAL SPECIFICATION :

- a) THE INDUCTANCE DROP AT RATED IS 10% MAX.
- b) TEMP. RISE : 40°C MAX. AT RATED CURRENT
- c) STORAGE TEMP. : -40°C TO +125°C
- d) OPERATING TEMP. : -40°C TO +85°C



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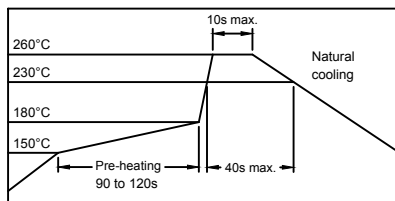


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6. ELECTRICAL CHARACTERISTICS :

| Part No. | Inductance (μ H) | Test Frequency (Hz) | RDC (Ω) Max. | IDC (A) Max. |
|---------------|--------------------------|---------------------------|-----------------------------|--------------------|
| RCS0807220LZF | 22 \pm 15% | 1V/2.52M | 0.08 | 1.60 |
| RCS0807270LZF | 27 \pm 15% | 1V/2.52M | 0.10 | 1.40 |
| RCS0807330LZF | 33 \pm 15% | 1V/2.52M | 0.14 | 1.30 |
| RCS0807390LZF | 39 \pm 15% | 1V/2.52M | 0.15 | 1.20 |
| RCS0807470LZF | 47 \pm 15% | 1V/2.52M | 0.17 | 1.10 |
| RCS0807560KZF | 56 \pm 10% | 1V/2.52M | 0.19 | 0.99 |
| RCS0807680KZF | 68 \pm 10% | 1V/2.52M | 0.21 | 0.89 |
| RCS0807820KZF | 82 \pm 10% | 1V/2.52M | 0.27 | 0.81 |
| RCS0807101KZF | 100 \pm 10% | 1V/1K | 0.32 | 0.74 |
| RCS0807121KZF | 120 \pm 10% | 1V/1K | 0.36 | 0.67 |
| RCS0807151KZF | 150 \pm 10% | 1V/1K | 0.51 | 0.60 |
| RCS0807181KZF | 180 \pm 10% | 1V/1K | 0.57 | 0.55 |
| RCS0807221KZF | 220 \pm 10% | 1V/1K | 0.76 | 0.50 |
| RCS0807271KZF | 270 \pm 10% | 1V/1K | 0.86 | 0.45 |
| RCS0807331KZF | 330 \pm 10% | 1V/1K | 0.97 | 0.41 |
| RCS0807391KZF | 390 \pm 10% | 1V/1K | 1.28 | 0.37 |
| RCS0807471KZF | 470 \pm 10% | 1V/1K | 1.44 | 0.34 |
| RCS0807561KZF | 560 \pm 10% | 1V/1K | 1.61 | 0.31 |
| RCS0807681KZF | 680 \pm 10% | 1V/1K | 2.07 | 0.28 |
| RCS0807821KZF | 820 \pm 10% | 1V/1K | 2.33 | 0.26 |
| RCS0807102KZF | 1000 \pm 10% | 1V/1K | 2.72 | 0.23 |

RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS



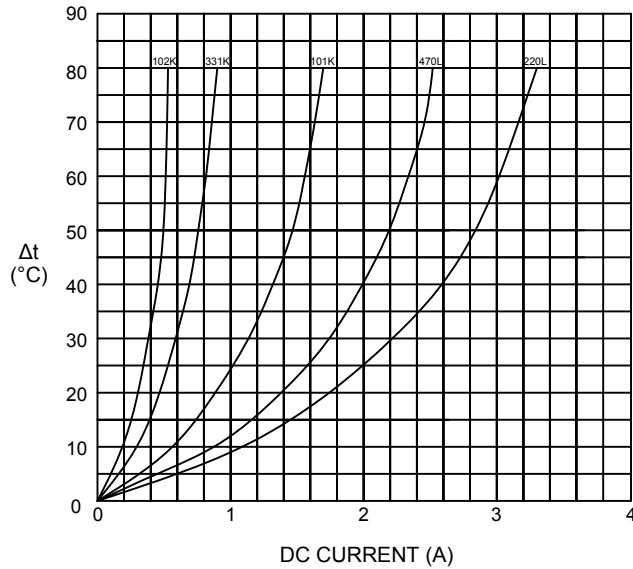
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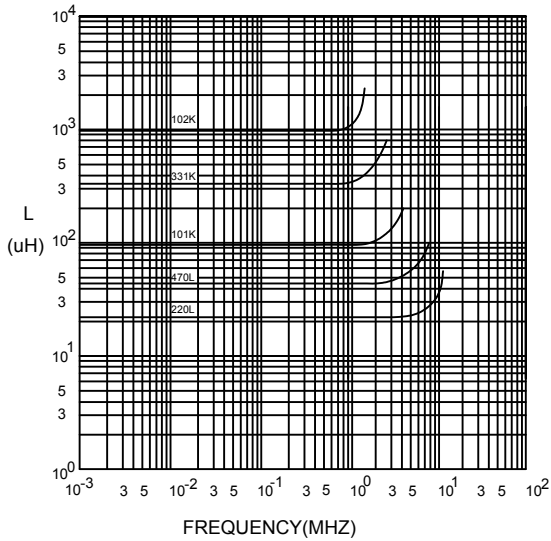
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7. CHARACTERISTICS CURVES :

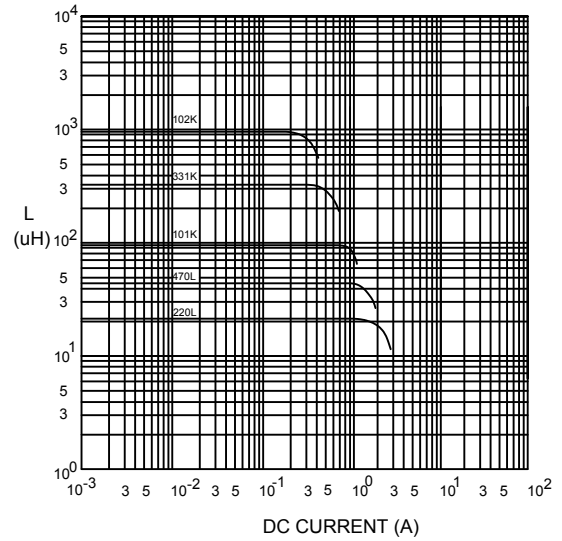
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



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8. PACKING AND QUANTITY :

| CODE | INNER PACKAGE | INNER PACKAGE Q'TY |
|------|---------------|--------------------|
| F | TRAY | 100 PCS |



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