

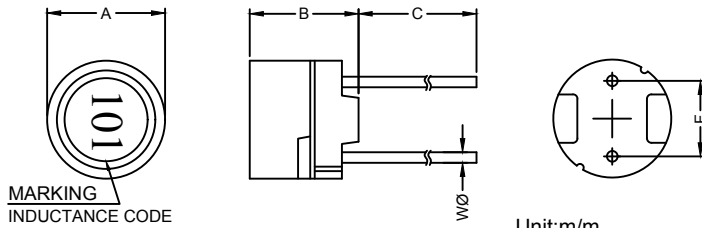
1. PART NO. EXPRESSION :

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

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

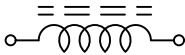
- (d) Tolerance code : K = ±10%, L = ±15%
- (e) X, Y, Z : Standard part
- (f) F : Lead Free

2. CONFIGURATION & DIMENSIONS :

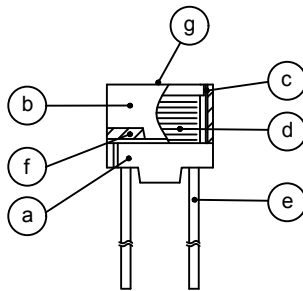


A	B	C	F	WØ
7.80±0.5	7.50 Max.	15.00±3.0	5.00±0.5	0.65±0.10

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



RoHS Compliant

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

15.09.2016

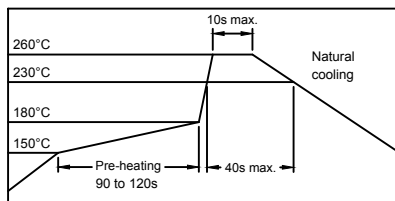


SUPERWORLD ELECTRONICS (S) PTE LTD

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



RoHS Compliant

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

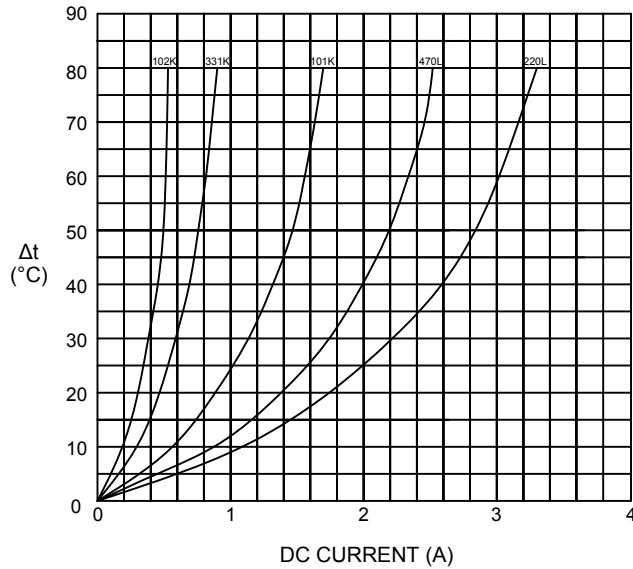
15.09.2016



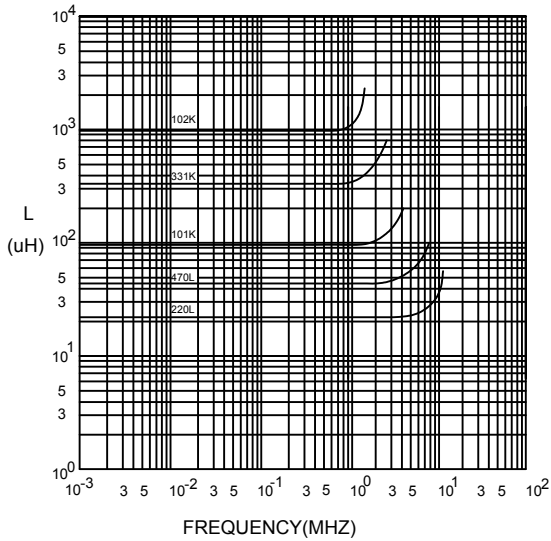
SUPERWORLD ELECTRONICS (S) PTE LTD

7. CHARACTERISTICS CURVES :

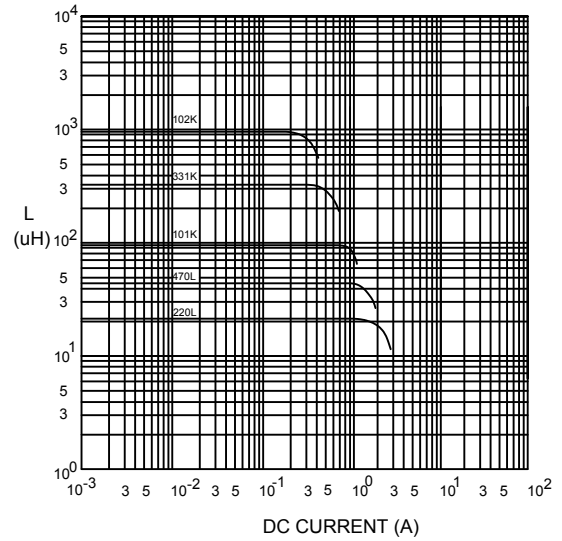
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



RoHS Compliant

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

15.09.2016

8. PACKING AND QUANTITY :

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



RoHS Compliant

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

15.09.2016



SUPERWORLD ELECTRONICS (S) PTE LTD

PG. 4