SMD POWER INDUCTORS

SSB0602 SERIES

1. PART NO. EXPRESSION :

S S B 0 6 0 2 1 R 0 M Z F
(a) (b) (c) (d)(e)(f)

(a) Series code

(b) Dimension code

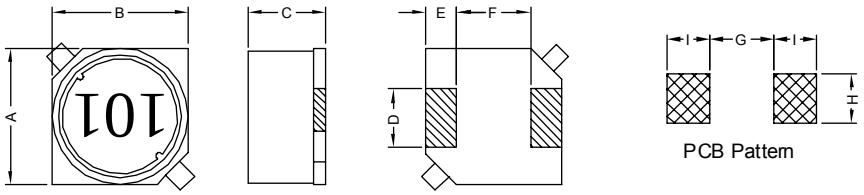
(c) Inductance code : 1R0 = 1.0uH

(d) Tolerance code : M = ± 20%

(e) Z : Standard part

(f) F : RoHS Compliant

2. CONFIGURATION & DIMENSIONS :

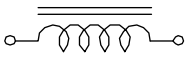


PCB Pattern

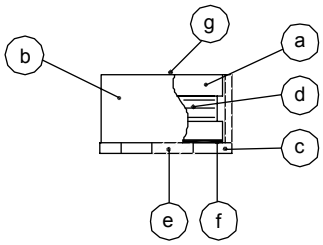
Unit:m/m

A	B	C	D	E	F	G	H	I
6.0± 0.3	6.0± 0.3	2.5 Max.	2.0± 0.2	1.5± 0.2	3.0± 0.2	2.8 Ref.	2.2 Ref.	1.9 Ref.

3. SCHEMATIC :



4. MATERIALS :



(a) DR Core

(b) RI Core

(c) Base

(d) Wire

(e) Terminal

(f) Adhesive

(g) Ink

5. GENERAL SPECIFICATION :

a) Temp. rise : 40° C Max.

b) Rated current : Base on temp. rise & ΔL/L0A = 10% Max.

c) Operating temp. : -40° C to +85° C

d) Storage condition (component in its packaging)

i) Temperature : -10 to 40° C

ii) Humidity : 60%

e) Resistance to solder heat : 260° C.10 secs

RoHS Compliant

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

22.12.2014

6. ELECTRICAL CHARACTERISTICS :

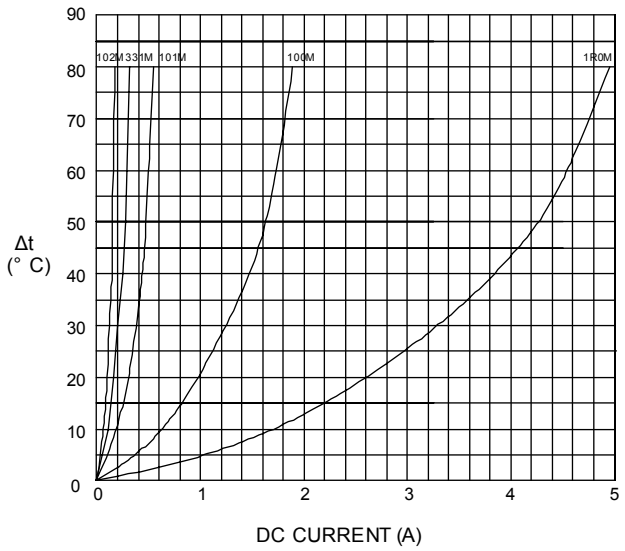
Part No.	Inductance (µH)	Test Frequency (Hz)	RDC (mΩ) Max.	IDC (A) Max.
SSB06021R0MZF	1.0± 20%	1V / 100K	30	2.50
SSB06021R5MZF	1.5± 20%	1V / 100K	35	2.30
SSB06022R2MZF	2.2± 20%	1V / 100K	45	2.00
SSB06023R3MZF	3.3± 20%	1V / 100K	70	1.60
SSB06024R7MZF	4.7± 20%	1V / 100K	85	1.35
SSB06026R8MZF	6.8± 20%	1V / 100K	120	1.10
SSB0602100MZF	10.0± 20%	1V / 100K	170	0.95
SSB0602150MZF	15.0± 20%	1V / 100K	240	0.75
SSB0602220MZF	22.0± 20%	1V / 100K	330	0.65
SSB0602330MZF	33.0± 20%	1V / 100K	480	0.50
SSB0602470MZF	47.0± 20%	1V / 100K	650	0.40
SSB0602680MZF	68.0± 20%	1V / 100K	870	0.30
SSB0602101MZF	100.0± 20%	1V / 100K	1500	0.25
SSB0602151MZF	150.0± 20%	1V / 100K	2300	0.20
SSB0602221MZF	220.0± 20%	1V / 100K	3200	0.18
SSB0602331MZF	330.0± 20%	1V / 100K	4800	0.16
SSB0602471MZF	470.0± 20%	1V / 100K	7200	0.13
SSB0602681MZF	680.0± 20%	1V / 100K	10000	0.11
SSB0602102MZF	1000.0± 20%	1V / 100K	15500	0.09

RoHS Compliant

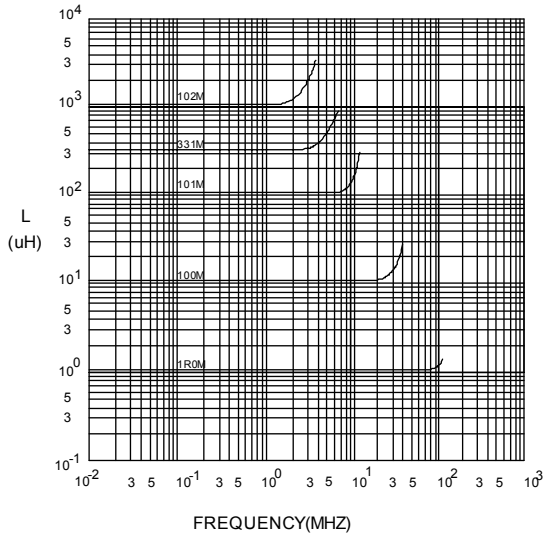
NOTE : Specifications subject to change without notice. Please check our website for latest information.

7. CHARACTERISTICS CURVES :

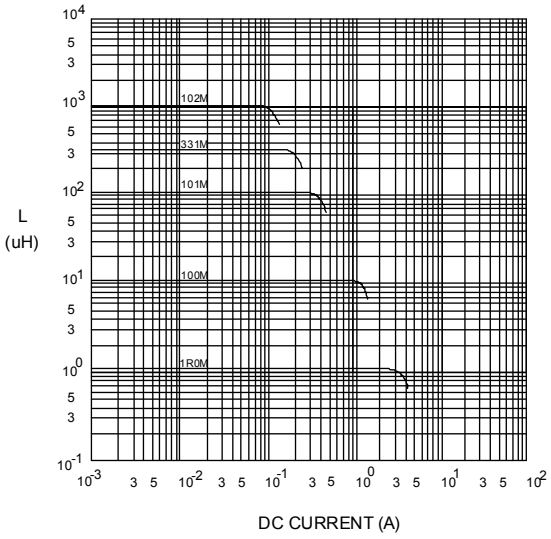
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE

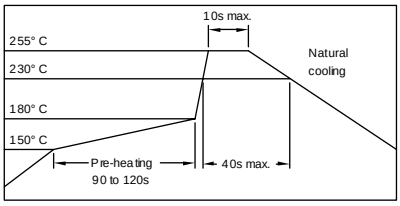


RoHS Compliant

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

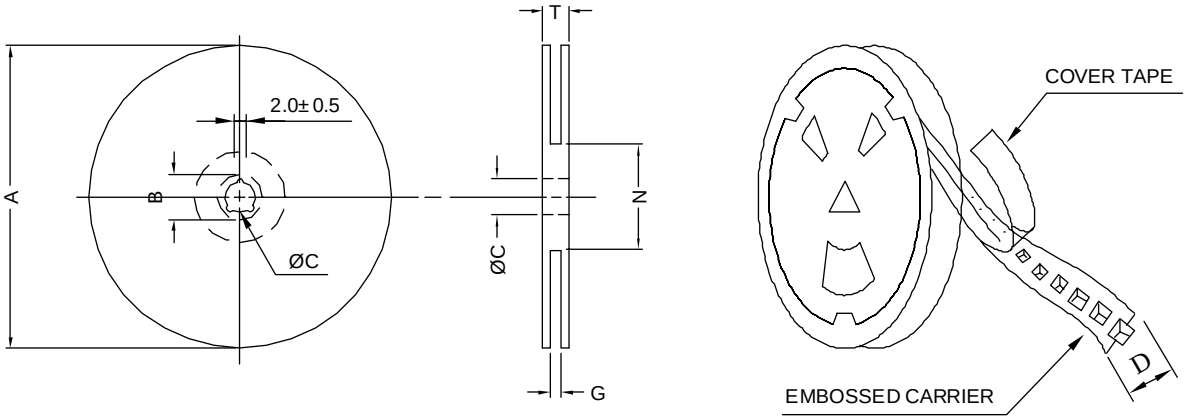
RECOMMENDED SOLDERING CONDITIONS

REFLOW SOLDERINGS

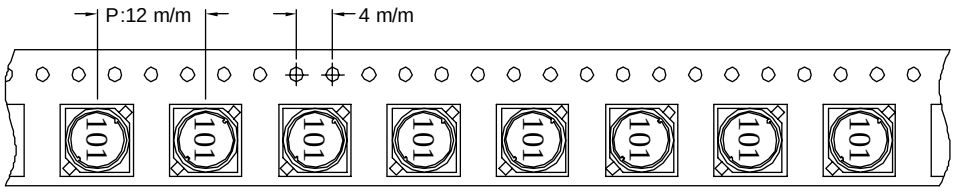


8. PACKAGING INFORMATION :

(1) CONFIGURATION



* CARRIER TAPE WIDTH : D



(2) DIMENSIONS

Unit:m/m

STYLE	A	B	C	D	G	N	T
13-16	330	21± 0.8	13	16	18 $^{+0}$	50 $^{-0}$	22.4

(3) Q'TY & G.W. PER PACKAGE

SERIES	INNER : REEL			OUTER : CARTON		
	Q'TY (PCS)	G.W. (gw)	STYLE	Q'TY (PCS)	G.W. (Kg)	SIZE (cm)
SSB0602	1500	720	13-16	9000	7.9	40 x 40 x 24

RoHS Compliant

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