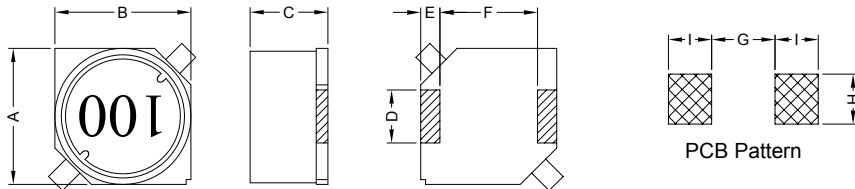


1. PART NO. EXPRESSION :

SSB12054R7MZ F
 (a) (b) (c) (d)(e)(f)

- (a) Series code
- (b) Dimension code
- (c) Inductance code : 4R7 = 4.7uH
- (d) Tolerance code : M = ±20%
- (e) X, Y, Z : Standard part
- (f) F : Lead Free

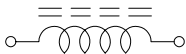
2. CONFIGURATION & DIMENSIONS :



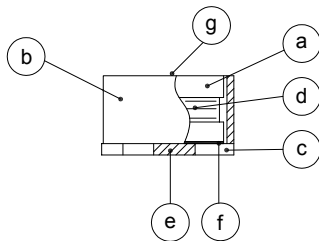
Unit:m/m

A	B	C	D	E	F	G	H	I
12.50±0.3	12.50±0.3	5.50±0.3	3.0±0.10	2.0±0.15	8.6±0.30	5.6 Ref.	3.2 Ref.	2.5 Ref.

3. SCHEMATIC :



4. MATERIALS :



- (a) Core : DR Ferrite Core
- (b) Core : RI Ferrite Core
- (c) Base : LCP
- (d) Wire : Enamelled Copper Wire
- (e) Terminal : Tinned Copper Plate
- (f) Adhesive : Epoxy
- (g) Ink : Bon Margue

5. GENERAL SPECIFICATION :

- a) Irms : Temp. rise 40°C Typ.
- b) Isat : ΔL/L0A = 10% Typ.
- c) Storage temp. : -40°C to +125°C
- d) Operating temp. : -40°C to +85°C
- e) Resistance to solder heat : 260°C.10 secs



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6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Test Frequency (Hz)	RDC ($m\Omega$) Max.	I _{rms} (A) Typ.	I _{sat} (A) Typ.
SSB12054R7MZF	4.7 \pm 20%	1V / 100K	23	5.30	5.00
SSB12056R8MZF	6.8 \pm 20%	1V / 100K	25	5.00	4.00
SSB1205100MZF	10.0 \pm 20%	1V / 100K	30	4.50	3.50
SSB1205150MZF	15.0 \pm 20%	1V / 100K	38	4.00	2.80
SSB1205220MZF	22.0 \pm 20%	1V / 100K	46	3.50	2.30
SSB1205330MZF	33.0 \pm 20%	1V / 100K	60	3.20	1.90
SSB1205470MZF	47.0 \pm 20%	1V / 100K	85	2.50	1.60
SSB1205680MZF	68.0 \pm 20%	1V / 100K	110	2.20	1.30
SSB1205101MZF	100.0 \pm 20%	1V / 100K	150	1.80	1.10
SSB1205151MZF	150.0 \pm 20%	1V / 100K	240	1.40	0.90
SSB1205221MZF	220.0 \pm 20%	1V / 100K	350	1.20	0.72
SSB1205331MZF	330.0 \pm 20%	1V / 100K	500	1.00	0.60
SSB1205471MZF	470.0 \pm 20%	1V / 100K	710	0.88	0.50
SSB1205681MZF	680.0 \pm 20%	1V / 100K	1000	0.73	0.43
SSB1205102MZF	1000.0 \pm 20%	1V / 100K	1450	0.60	0.35
SSB1205152MZF	1500.0 \pm 20%	1V / 100K	2100	0.48	0.29



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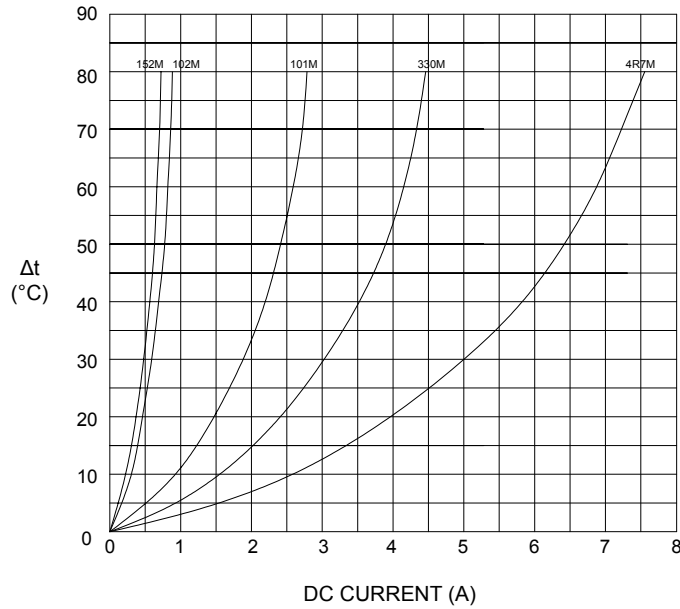


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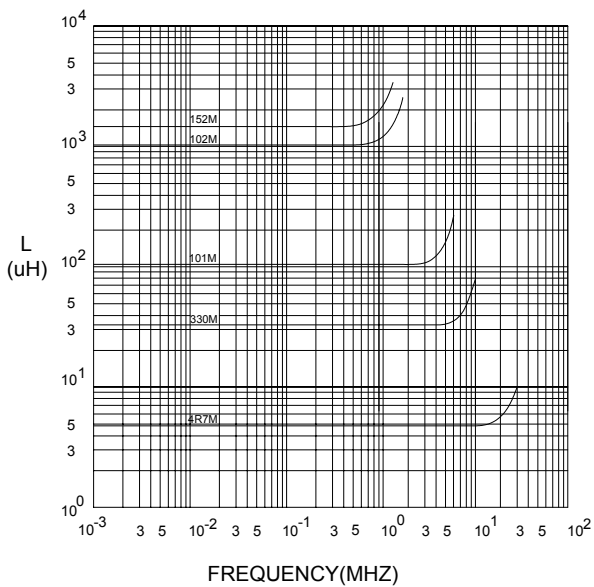
PG. 2

7. CHARACTERISTICS CURVES :

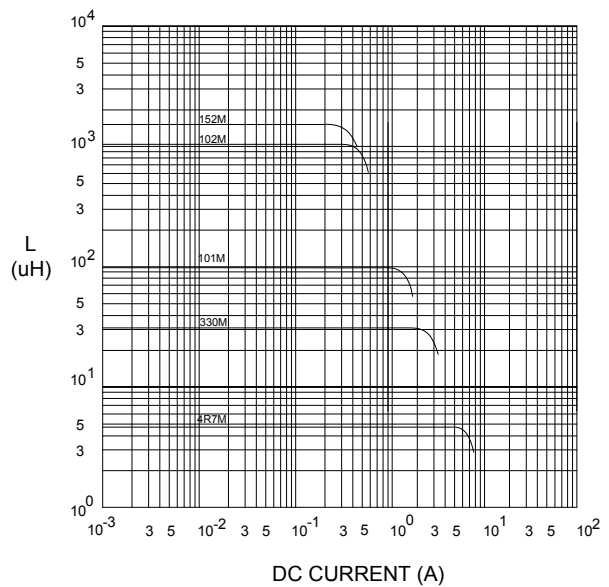
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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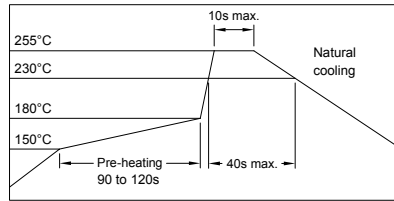
NOTE : Specifications subject to change without notice. Please check our website for latest information.

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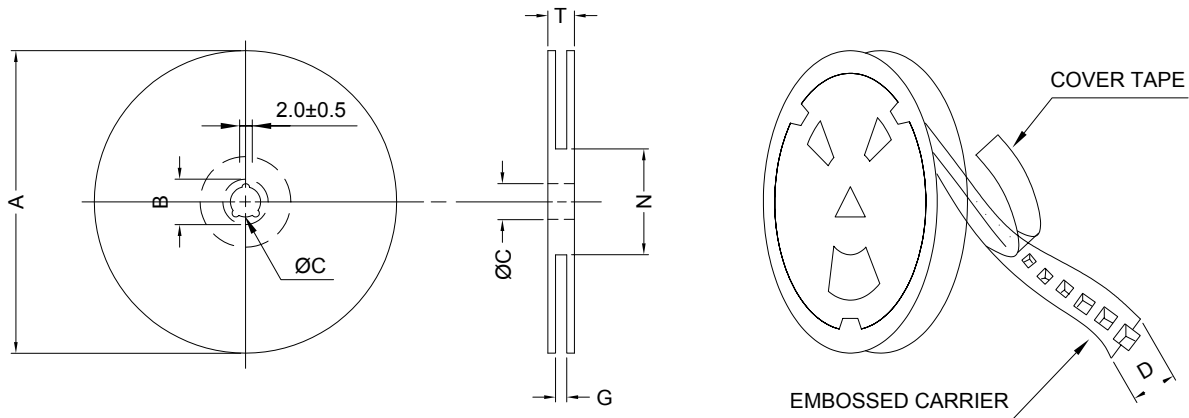
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RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS

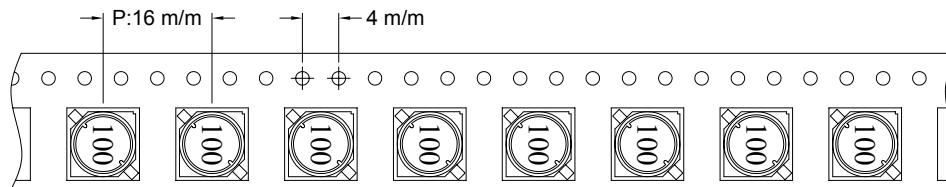


8. PACKAGING INFORMATION :

(1) CONFIGURATION



* CARRIER TAPE WIDTH : D



(2) DIMENSIONS

Unit:m/m

STYLE	A	B	C	D	G	N	T
13-24	330	21±0.8	13	24	26 ⁺⁰	50 ⁻⁰	30.4

(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)
SSB1205	600	1000	13-24	2400	7.5	40 x 40 x 24



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9. RELIABILITY AND TEST CONDITION :

TEST ITEM	SPECIFICATION	TEST CONDITION
SOLDERABILITY	MORE THAN 90% OF THE TERMINAL ELECTRODE SHALL BE COVERED WITH FRESH SOLDER.	PREHEAT : 125±25°C FOR 60 SECONDS SOLDER : 99%Sn/0.3%Ag/0.7%Cu OR EQUIVALENT SOLDER TEMP. : 245±5°C FLUX : ROSIN DIP TIME : 4±1 SECONDS
THERMAL SHOCK TEST (TEMP. CYCLE)	INDUCTANCE SHALL NOT CHANGE MORE THAN ±20%	ROOM TEMP. → -25±2°C 15 MINUTES → 30 MINUTES ROOM TEMP. → 85±2°C 15 MINUTES → 30 MINUTES TOTAL : 50 CYCLES
HUMIDITY RESISTANCE TEST		TEMPERATURE : 40±2°C HUMIDITY : 90 ~ 95% APPLIED CURRENT : PER SPEC. TIME : 500 HOURS
HIGH TEMP. RESISTANCE TEST		TEMPERATURE : 85±2°C APPLIED CURRENT : PER SPEC. TIME : 500 HOURS



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10. UL CARD :

OBMW2 **November 30, 2000**
Magnet Wire - Component
PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD **E201757**
607 BAOLONG INDUSTRIAL ESTATE LONGGANG, SHENZHEN
GUANGDONG CHINA

Mtl Dsg	BC	Coating Type	TC	ANSI Type	TI
UEW/U		Polyurethane	—	—	130
PEW/U		Polyester	—	MW5-C	155°C
PEWH/U		Modified Polyester	—	MW30-C	180
PEW-NY/U		Polyester	Polyamide	MW24-C	155
HAI/U		Polyester(Amide)(Imide)	Polyamideimide	MW35,73	200
UEW-NY/U		Polyurethane	Polyamide	MW80-C	155
				MW28-C	130

Marking: Company name and material designation or marked designation on package or reel, and Recognized Component Mark.

See General Information Preceding These Recognitions

1/3/2001 **Underwriters Laboratories Inc.** **Card 1 of 2**

SUMITOMO CHEMICAL CO LTD **E54705 (M)**
5-33 KITAHAMA 4-CHOME CHUO-KO, OSAKA JAPAN

Mtl Dsg	Col	Min Thk mm	UL94 Flame Class	Elec	RTI		w/o Imp	H W I	H A I	H V R	D 4 5	C T I
					with Imp	Mech						
Liquid crystal polyester (LCP), designated "EKONOL" or "SUMIKASUPER", furnished in the form of pellets, (Contd)												
E4008 , E400X	NC , BK	0.30	94V-0	130	130	130	—	—	—	—	—	—
		0.75	94V-0	130	130	130	3	4	—	—	—	—
		1.5	94V-0	130	130	130	2	4	—	—	—	—
		3.0	94V-0	130	130	130	1	4	0	5	4	—
E4008	NC , WT , BK	0.30	94V-0	130	130	130	—	—	—	—	—	—
		0.75	94V-0	220	180	220	3	4	—	—	—	—
		1.5	94V-0	220	200	240	2	4	—	—	—	—
		3.0	94V-0	220	200	240	1	4	0	5	4	—
E4010	NC , BK	0.30	94V-0	130	130	130	—	—	—	—	—	—
		0.75	94V-0	220	180	220	3	4	—	—	—	—
		1.5	94V-0	220	200	240	2	4	—	—	—	—
		3.0	94V-0	220	200	240	1	4	0	5	4	—
E400(Y)L , E4008L	NC , BK	0.30	94V-0	130	130	130	—	—	—	—	—	—
		0.75	94V-0	130	130	130	3	4	—	—	—	—
		1.5	94V-0	130	130	130	2	4	—	—	—	—
		3.0	94V-0	130	130	130	1	4	0	5	4	—
E4810	NC , BK	0.30	94V-0	130	130	130	—	—	—	—	—	—
		0.75	94V-0	130	130	130	0	4	—	—	—	—
		1.5	94V-0	130	130	130	0	4	—	—	—	—
		3.0	94V-0	130	130	130	1	4	0	5	4	—

(X) Denotes any number 1 thru 9.
(Y) Denotes any number 1 thru 7.



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08.05.2008



SUPERWORLD ELECTRONICS (S) PTE LTD