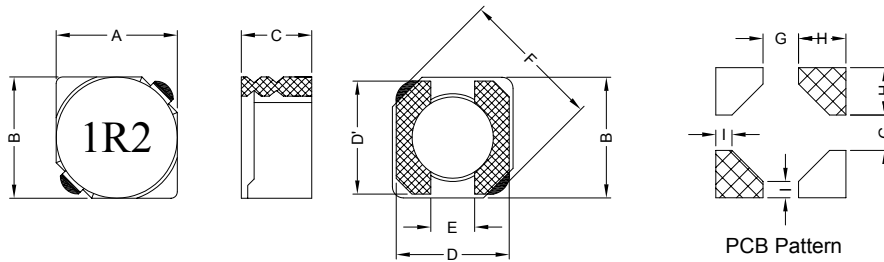


### 1. PART NO. EXPRESSION :

SSC04031R2YZF  
 (a) (b) (c) (d)(e)(f)

- (a) Series code
- (b) Dimension code
- (c) Inductance code : 1R2 = 1.2uH
- (d) Tolerance code : Y = ±30%
- (e) X, Y, Z : Standard part
- (f) F : Lead Free

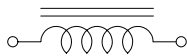
### 2. CONFIGURATION & DIMENSIONS :



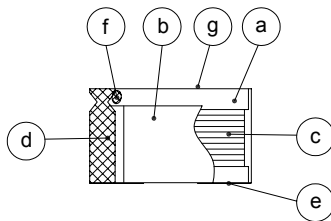
Unit : m/m

A	B	C	D	D'	E	F	G	H	I
4.70±0.3	4.70±0.3	3.00 Max.	4.50 Ref.	4.50 Ref.	1.50 Ref.	6.90 Max.	1.70 Ref.	1.80 Ref.	0.80 Ref.

### 3. SCHEMATIC :



### 4. MATERIALS :



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

### 5. GENERAL SPECIFICATION :

- a) Temp. rise : 40°C Max. at rated current
- b) Rated current : Base on temp. rise & ΔL/L0A = 35% Max.
- 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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NOTE : Specifications subject to change without notice. Please check our website for latest information.

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## 6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance ( $\mu$ H)	Test Frequency (Hz)	RDC (m $\Omega$ ) Max.	IDC (A) Max.
SSC04031R2YZF	1.2 $\pm$ 30%	0.5V / 100K	23.6	2.56
SSC04031R8YZF	1.8 $\pm$ 30%	0.5V / 100K	27.5	2.20
SSC04032R2YZF	2.2 $\pm$ 30%	0.5V / 100K	31.3	2.04
SSC04032R7YZF	2.7 $\pm$ 30%	0.5V / 100K	43.3	1.60
SSC04033R3YZF	3.3 $\pm$ 30%	0.5V / 100K	49.2	1.57
SSC04033R9YZF	3.9 $\pm$ 30%	0.5V / 100K	64.8	1.44
SSC04034R7YZF	4.7 $\pm$ 30%	0.5V / 100K	72.0	1.32
SSC04035R6YZF	5.6 $\pm$ 30%	0.5V / 100K	100.9	1.17
SSC04036R8YZF	6.8 $\pm$ 30%	0.5V / 100K	108.9	1.12
SSC04038R2YZF	8.2 $\pm$ 30%	0.5V / 100K	117.5	1.04
SSC0403100YZF	10.0 $\pm$ 30%	0.5V / 100K	128.3	1.00
SSC0403120YZF	12.0 $\pm$ 30%	0.5V / 100K	131.6	0.84
SSC0403150YZF	15.0 $\pm$ 30%	0.5V / 100K	149.0	0.76
SSC0403180YZF	18.0 $\pm$ 30%	0.5V / 100K	166.0	0.72
SSC0403220YZF	22.0 $\pm$ 30%	0.5V / 100K	235.0	0.70
SSC0403270YZF	27.0 $\pm$ 30%	0.5V / 100K	261.0	0.58
SSC0403330YZF	33.0 $\pm$ 30%	0.5V / 100K	331.3	0.56
SSC0403390YZF	39.0 $\pm$ 30%	0.5V / 100K	383.7	0.50
SSC0403470YZF	47.0 $\pm$ 30%	0.5V / 100K	587.0	0.48
SSC0403560YZF	56.0 $\pm$ 30%	0.5V / 100K	624.5	0.41
SSC0403680YZF	68.0 $\pm$ 30%	0.5V / 100K	699.0	0.35
SSC0403820YZF	82.0 $\pm$ 30%	0.5V / 100K	914.8	0.32
SSC0403101YZF	100.0 $\pm$ 30%	0.5V / 100K	1020.0	0.29
SSC0403121YZF	120.0 $\pm$ 30%	0.5V / 100K	1270.0	0.27
SSC0403151YZF	150.0 $\pm$ 30%	0.5V / 100K	1350.0	0.24
SSC0403181YZF	180.0 $\pm$ 30%	0.5V / 100K	1540.0	0.22



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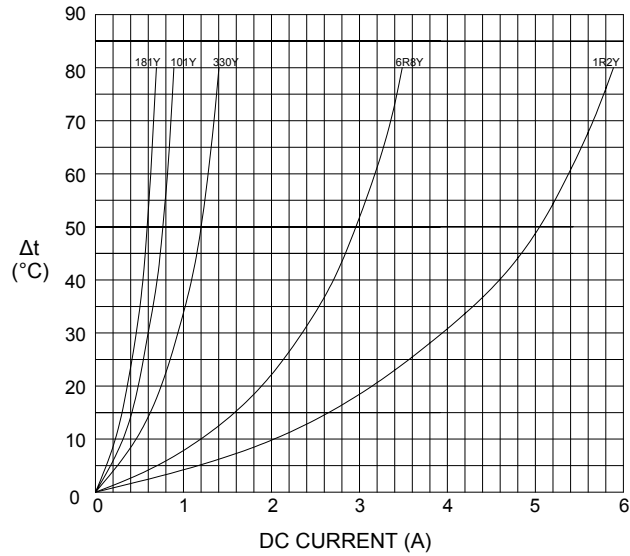


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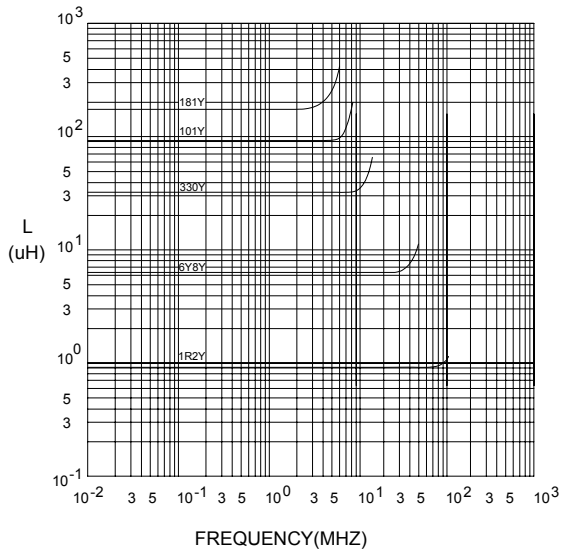
PG. 2

## 7. CHARACTERISTICS CURVES :

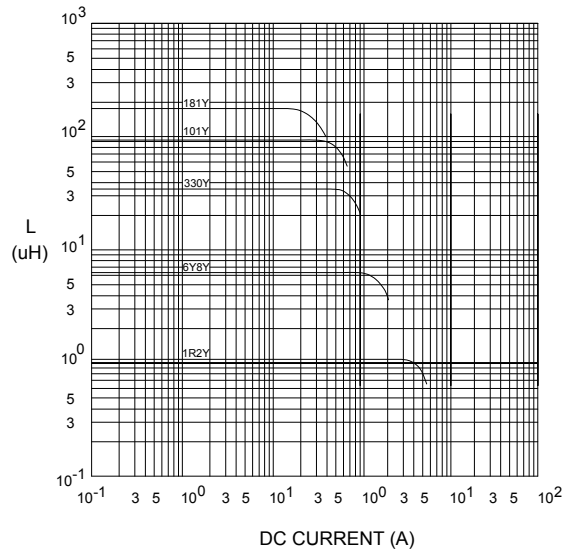
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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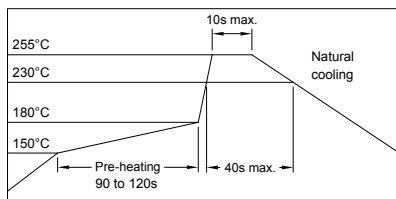
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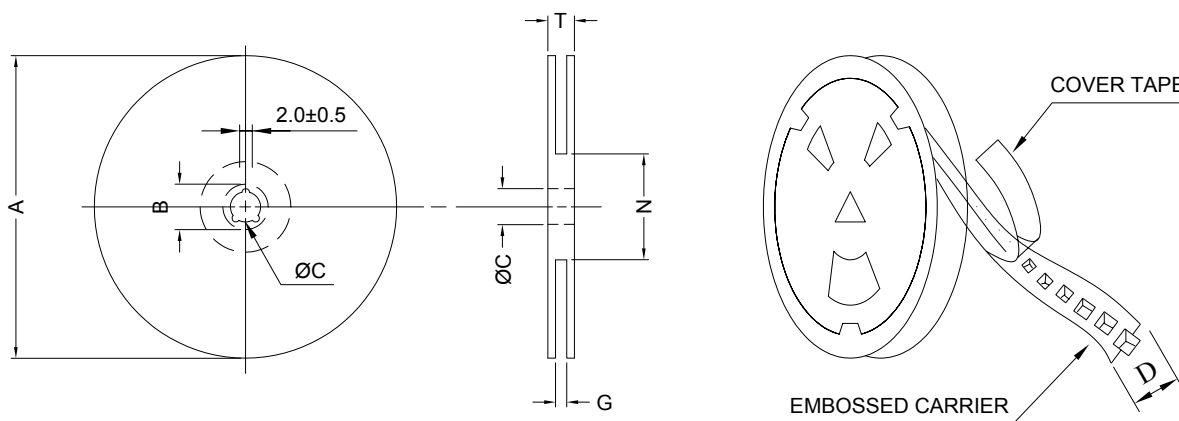
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### RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS

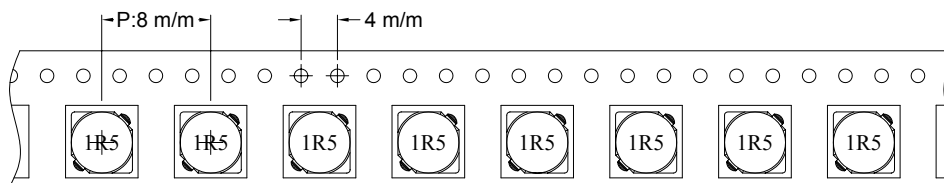


### 8. PACKAGING INFORMATION :

#### ( 1 ) CONFIGURATION



\* CARRIER TAPE WIDTH : D



#### ( 2 ) DIMENSIONS

Unit:m/m

STYLE	A	B	C	D	G	N	T
13-16	330	21±0.8	13	16	18 <sup>+0</sup>	50 <sup>-0</sup>	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)
SSC0403	2000	2400	13-16	12000	17.9	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

**10. UL CARD :**

<b>OBMW2</b>		<b>November 30, 2000</b>		
<b>Magnet Wire - Component</b>				
<b>PACIFIC ELECTRIC WIRE &amp; CABLE (SHENZHEN) CO LTD</b>				<b>E201757</b>
607 BAOLONG INDUSTRIAL ESTATE LONGGANG, SHENZHEN GUANGDONG CHINA				
	Coating Type		ANSI Type	TI
Mtl Dsg	BC	TC		
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
<b>Marking: Company name and material designation or marked designation on package or reel, and Recognized Component Mark.</b>				
<b>See General Information Preceding These Recognitions</b>				
1/3/2001	Underwriters Laboratories Inc.		Card 1 of 2	



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