

1. PART NO. EXPRESSION :

SSC06043R3YZF-

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

(a) Series code

(b) Dimension code

(c) Inductance code : 3R3 = 3.30uH

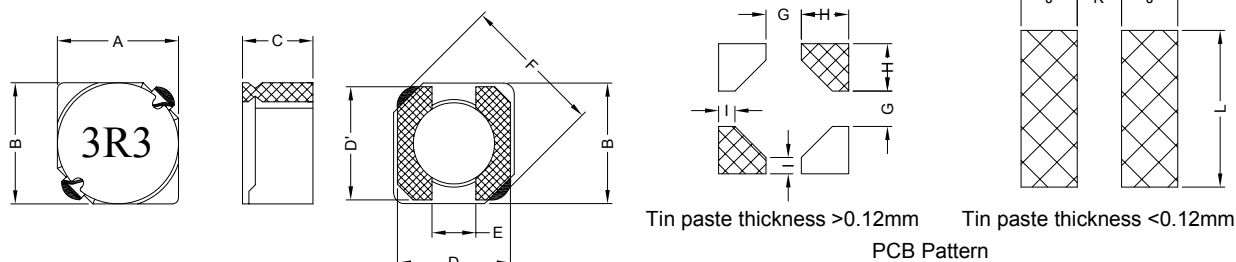
(d) Tolerance code : Y = $\pm 30\%$

(e) X, Y, Z : Standard part

(f) F : RoHS Compliant

(g) 11 ~ 99 : Internal controlled number

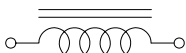
2. CONFIGURATION & DIMENSIONS :



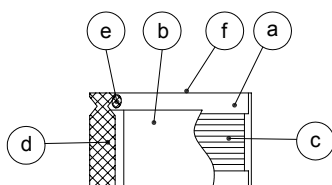
Unit:m/m

A	B	C	D	D'	E	F
6.70 $\pm$ 0.3	6.70 $\pm$ 0.3	4.00 Max.	6.50 Ref.	6.50 Ref.	2.00 Ref.	9.50 Max.
G	H	I	J	K	L	
2.20 Ref.	2.55 Ref.	0.95 Ref.	2.65 Ref.	2.00 Ref.	7.30 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) Ink : Bon Margue



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PG. 1

5. GENERAL SPECIFICATION :

- a) Temp. rise : 30°C Typ. at rated current
- b) Rated current : Base on temp. rise & $\Delta L/L0A = 35\%$ Typ.
- c) Storage temp. : -40°C to +125°C
- d) Operating temp. : -40°C to +95°C
- e) Resistance to solder heat : 260°C.10 secs

6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Test Frequency (Hz)	RDC (m Ω) Max.	IDC (A) Max.
SSC06043R3YZF-	3.3 $\pm 30\%$	0.5V / 10K	20	3.50
SSC06045R0YZF-	5.0 $\pm 30\%$	0.5V / 10K	24	2.90
SSC06046R2YZF-	6.2 $\pm 30\%$	0.5V / 10K	27	2.50
SSC06047R4YZF-	7.4 $\pm 30\%$	0.5V / 10K	31	2.30
SSC06048R7YZF-	8.7 $\pm 30\%$	0.5V / 10K	34	2.20
SSC0604100YZF-	10.0 $\pm 30\%$	0.5V / 10K	38	2.00
SSC0604120YZF-	12.0 $\pm 30\%$	0.5V / 10K	53	1.70
SSC0604150YZF-	15.0 $\pm 30\%$	0.5V / 10K	57	1.60
SSC0604180YZF-	18.0 $\pm 30\%$	0.5V / 10K	92	1.50
SSC0604220YZF-	22.0 $\pm 30\%$	0.5V / 10K	96	1.30
SSC0604270YZF-	27.0 $\pm 30\%$	0.5V / 10K	109	1.20
SSC0604330YZF-	33.0 $\pm 30\%$	0.5V / 10K	124	1.10
SSC0604390YZF-	39.0 $\pm 30\%$	0.5V / 10K	138	1.00
SSC0604470YZF-	47.0 $\pm 30\%$	0.5V / 10K	155	0.95
SSC0604560YZF-	56.0 $\pm 30\%$	0.5V / 10K	202	0.85
SSC0604680YZF-	68.0 $\pm 30\%$	0.5V / 10K	234	0.75
SSC0604820YZF-	82.0 $\pm 30\%$	0.5V / 10K	324	0.70
SSC0604101YZF-	100.0 $\pm 30\%$	0.5V / 10K	358	0.65

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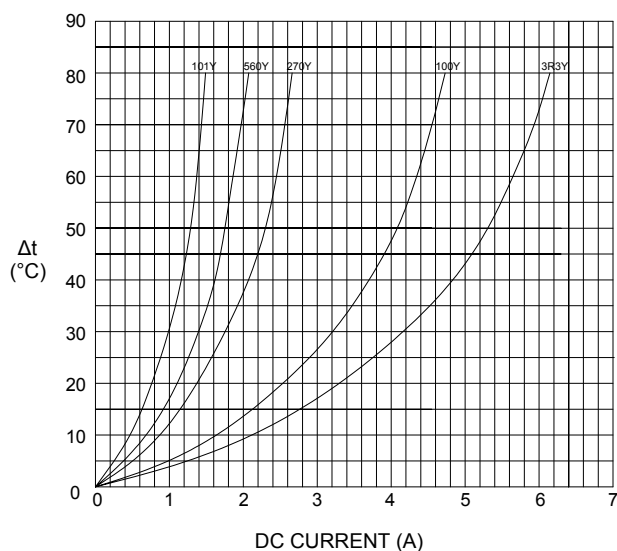
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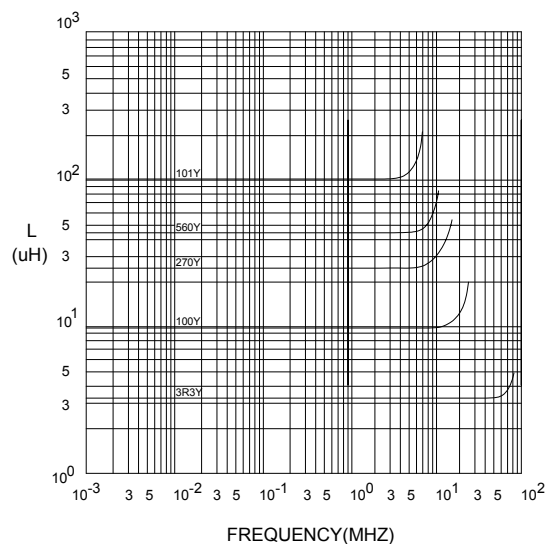
PG. 2

7. CHARACTERISTICS CURVES :

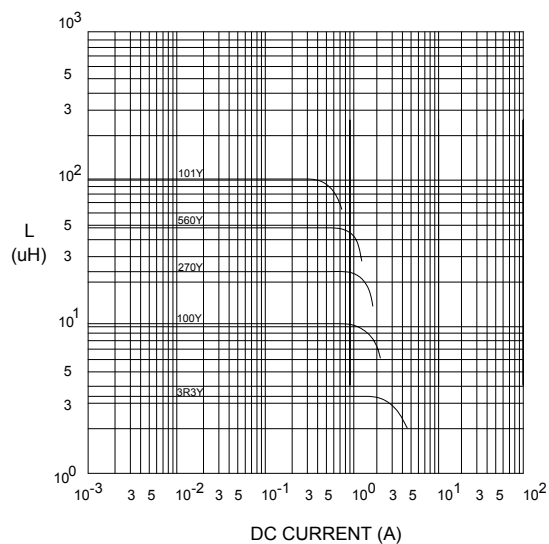
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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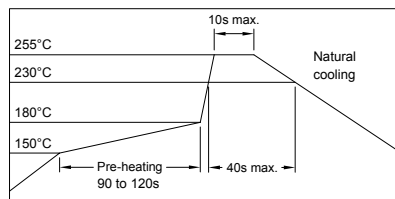
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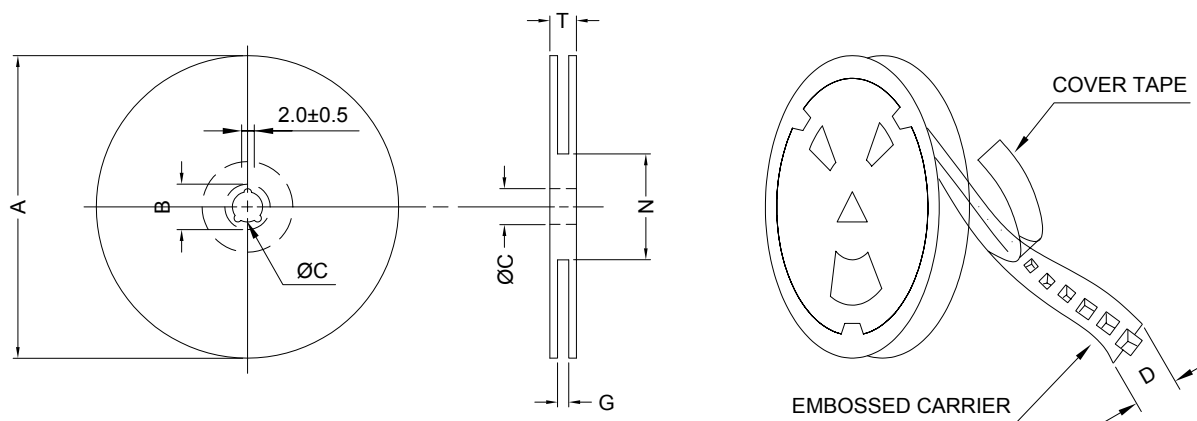
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RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS

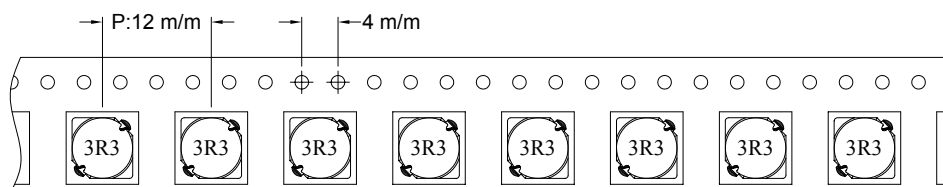


8. PACKAGING INFORMATION :

(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 ⁺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)
SSC0604	1000	700	13-16	6000	7.7	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 :

OBMW2		November 30, 2000	
Magnet Wire - Component			
PACIFIC ELECTRIC WIRE & CABLE (SHENZHEN) CO LTD 607 BAOLONG INDUSTRIAL ESTATE LONGGANG, SHENZHEN GUANGDONG CHINA			E201757
Mtl Dsg	Coating Type	ANSI Type	TI
UEW/U	BC Polyurethane	—	130
PEW/U	Polyester	—	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	



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PG. 5