

1. PART NO. EXPRESSION :

SSC06033R0YZF
(a) (b) (c) (d)(e)(f)

(a) Series code

(b) Dimension code

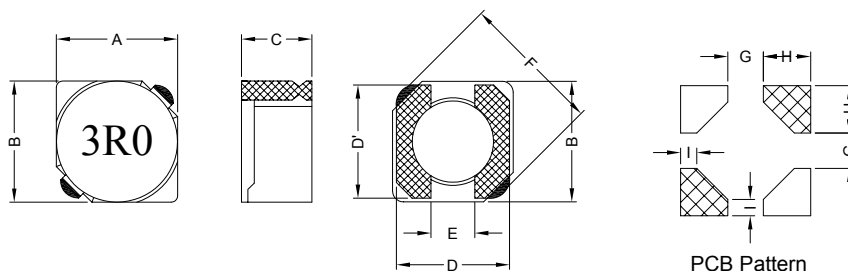
(c) Inductance code : 3R0 = 3.00uH

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

(e) X, Y, Z : Standard part

(f) F : Lead Free

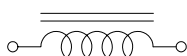
2. CONFIGURATION & DIMENSIONS :



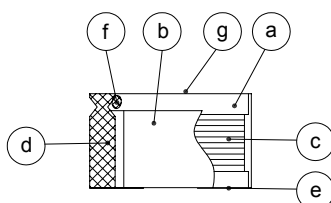
Unit:m/m

A	B	C	D	D'	E	F	G	H	I
6.70 $\pm$ 0.3	6.70 $\pm$ 0.3	3.00 Max.	6.50 Ref.	6.50 Ref.	2.00 Ref.	9.50 Max.	2.20 Ref.	2.55 Max.	0.95 Max.

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 : 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



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6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance (μ H)	Test Frequency (Hz)	RDC ($m\Omega$) Max.	IDC (A) Max.
SSC06033R0YZF	3.0 $\pm$ 30%	0.5V / 10K	24	3.00
SSC06033R9YZF	3.9 $\pm$ 30%	0.5V / 10K	27	2.60
SSC06035R0YZF	5.0 $\pm$ 30%	0.5V / 10K	31	2.40
SSC06036R0YZF	6.0 $\pm$ 30%	0.5V / 10K	35	2.25
SSC06037R3YZF	7.3 $\pm$ 30%	0.5V / 10K	54	2.10
SSC06038R6YZF	8.6 $\pm$ 30%	0.5V / 10K	58	1.85
SSC0603100YZF	10.0 $\pm$ 30%	0.5V / 10K	65	1.70
SSC0603120YZF	12.0 $\pm$ 30%	0.5V / 10K	70	1.55
SSC0603150YZF	15.0 $\pm$ 30%	0.5V / 10K	84	1.40
SSC0603180YZF	18.0 $\pm$ 30%	0.5V / 10K	95	1.32
SSC0603220YZF	22.0 $\pm$ 30%	0.5V / 10K	128	1.20
SSC0603270YZF	27.0 $\pm$ 30%	0.5V / 10K	142	1.05
SSC0603330YZF	33.0 $\pm$ 30%	0.5V / 10K	165	0.97
SSC0603390YZF	39.0 $\pm$ 30%	0.5V / 10K	210	0.86
SSC0603470YZF	47.0 $\pm$ 30%	0.5V / 10K	238	0.80
SSC0603560YZF	56.0 $\pm$ 30%	0.5V / 10K	277	0.73
SSC0603680YZF	68.0 $\pm$ 30%	0.5V / 10K	304	0.65
SSC0603820YZF	82.0 $\pm$ 30%	0.5V / 10K	390	0.60
SSC0603101YZF	100.0 $\pm$ 30%	0.5V / 10K	535	0.54



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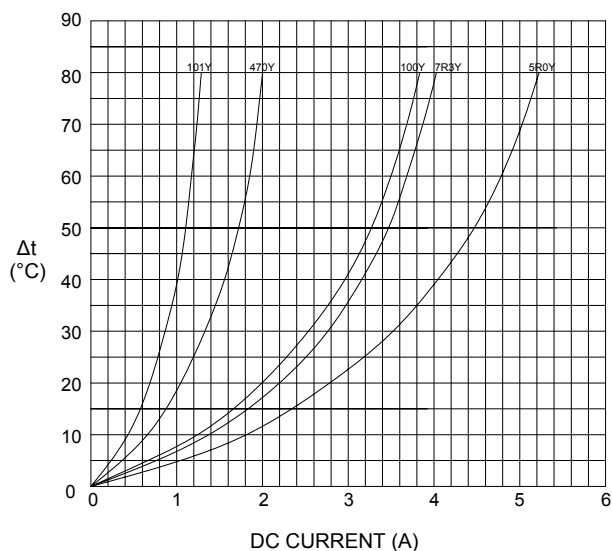
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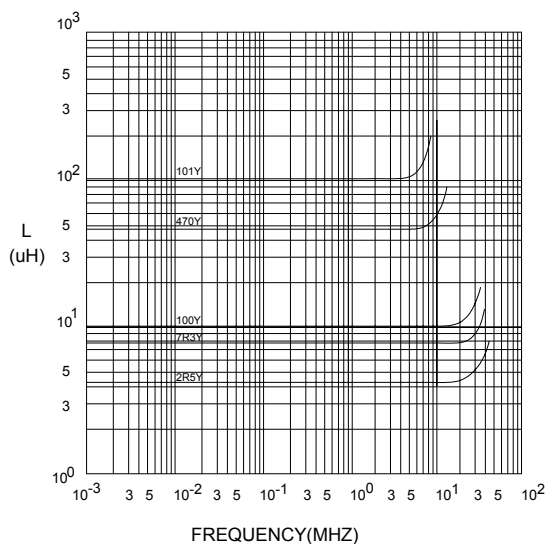
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7. CHARACTERISTICS CURVES :

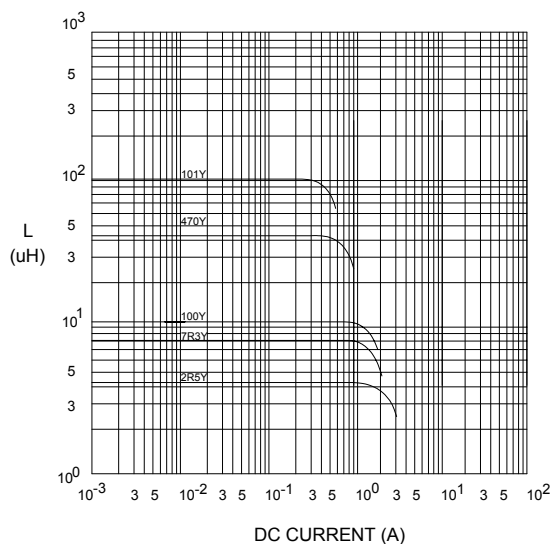
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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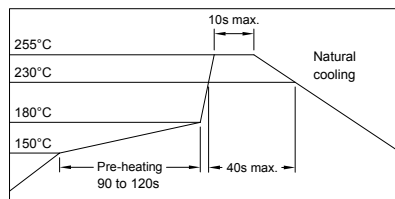
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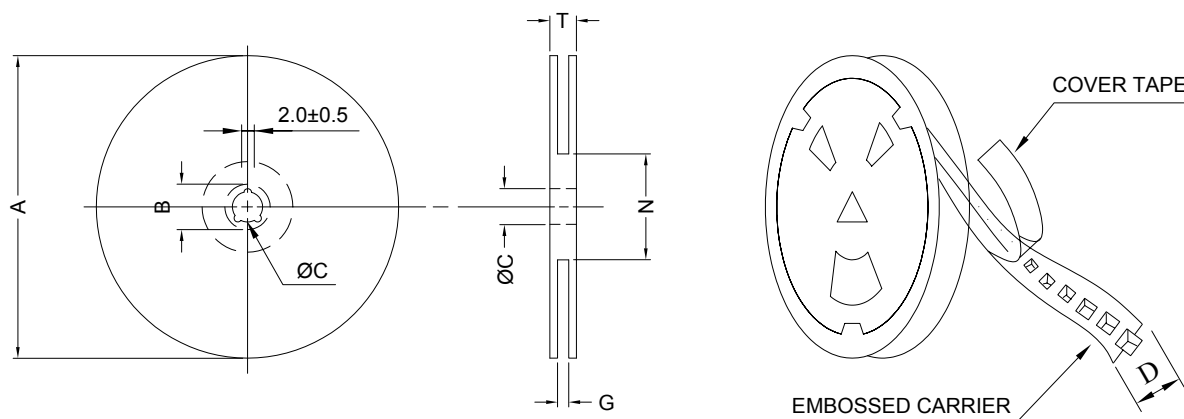
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RECOMMENDED SOLDERING CONDITIONS REFLOW SOLDERINGS

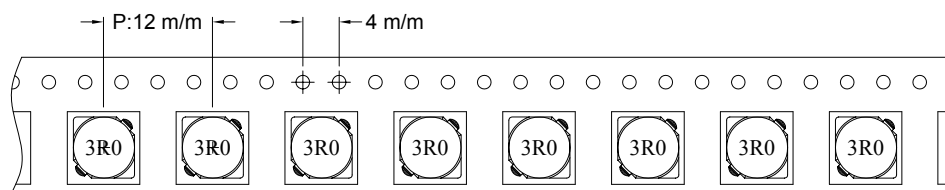


8. PACKAGING INFORMATION :

(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)
SSC0603	1000	600	13-16	6000	7.1	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%/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%	<div>ROOM TEMP. $\longrightarrow$ -25±2°C</div> <div>15 MINUTES $\longrightarrow$ 30 MINUTES</div> <div>ROOM TEMP. $\longrightarrow$ 85±2°C</div> <div>15 MINUTES $\longrightarrow$ 30 MINUTES</div> 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	BC	Coating Type	ANSI Type
UEW/U	Polyurethane	TC	TI
PEW/U	Polyester	—	130
PEWH/U	Modified Polyester	—	MW5-C 155°C
PEW-NY/U	Polyester	Polyamide	MW30-C 180
HAI/U	Polyester(Amide)(Imide)	Polyamideimide	MW24-C 155
UEW-NY/U	Polyurethane	Polyamide	MW35,73 200
			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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