

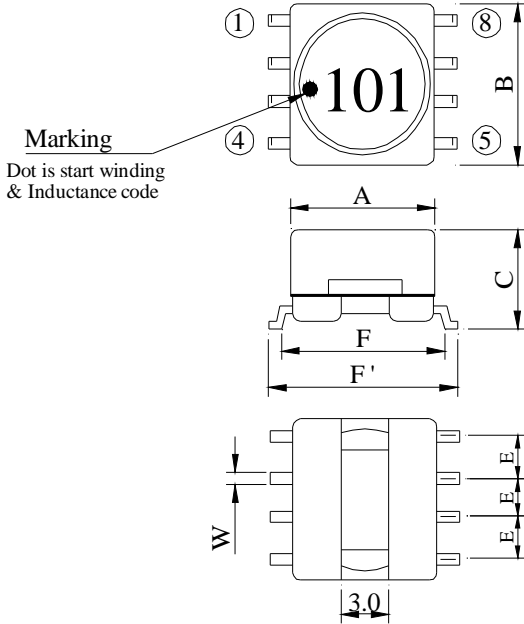
SPECIFICATION FOR APPROVAL

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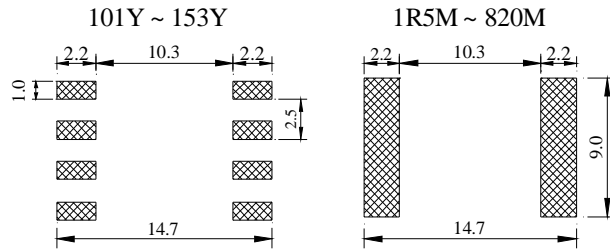
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PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS0908□□□□L□-□□□
		ABC'S ITEM NO.	

I . CONFIGURATION & DIMENSIONS :

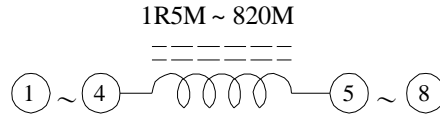
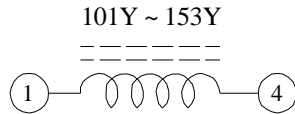


- A : 9.5±0.3 m/m
- B : 10.5 max. m/m
- C : 7.5±0.3 m/m
- E : 2.5±0.3 m/m
- F : 11.0±0.5 m/m
- F' : 12.7±0.8 m/m
- W : 0.6 typ. m/m



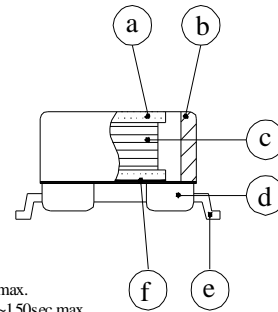
(PCB Pattern)

II . SCHEMATIC DIAGRAM :



III . MATERIALS :

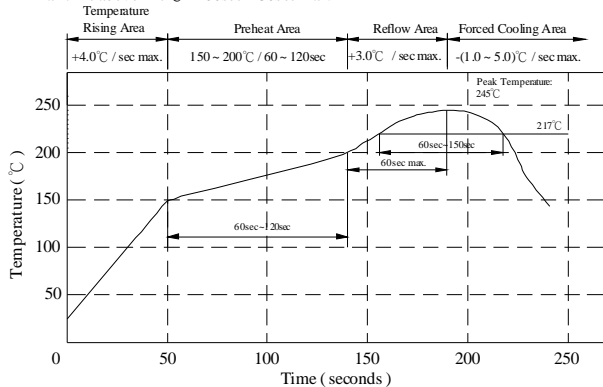
- a . Core : Ferrite DR core
- b . Core : Ferrite RI core
- c . Wire : Enamelled copper wire (class F)
- d . Base : LCP
- e . Terminal : Cu/Ni/Sn
- f . Adhesive : Epoxy resin
- g . Remark : Products comply with RoHS' requirements



Peak Temp : 245°C max.
 Max. Peak Temp -5°C : 30sec max.
 Max time above 217°C : 60sec-150sec max.

IV . GENERAL SPECIFICATION :

- a . Temp. rise : 40°C max.
- b . Rated current : Base on temp. rise & $\Delta L / L0A=10\%$ max.
- c . Storage temp. : -40°C ----+125°C
- d . Operating temp. : -40°C ----+105°C
- e . Resisance to solder heat : 245°C. 10 secs.



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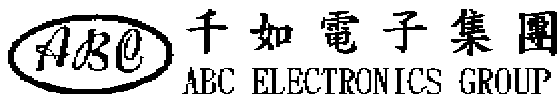
V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μ H)	Q nom.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max	IDC (mA) max
			L	Q			
SS09081R5ML□-□□□	1.50±20%	20	1K	7.960M	65.00	0.014	5600
SS09082R7ML□-□□□	2.70±20%	20	1K	7.960M	50.00	0.019	4800
SS09083R9ML□-□□□	3.90±20%	20	1K	7.960M	35.00	0.021	4400
SS09085R6ML□-□□□	5.60±20%	18	1K	7.960M	25.00	0.027	3800
SS09087R5ML□-□□□	7.50±20%	18	1K	7.960M	15.00	0.032	3400
SS0908100ML□-□□□	10.00±20%	33	1K	2.520M	11.00	0.040	3000
SS0908120ML□-□□□	12.00±20%	40	1K	2.520M	11.00	0.050	2500
SS0908150ML□-□□□	15.00±20%	45	1K	2.520M	8.50	0.065	2200
SS0908180ML□-□□□	18.00±20%	40	1K	2.520M	8.50	0.075	2000
SS0908220ML□-□□□	22.00±20%	35	1K	2.520M	6.00	0.080	1900
SS0908270ML□-□□□	27.00±20%	45	1K	2.520M	6.00	0.090	1800
SS0908330ML□-□□□	33.00±20%	40	1K	2.520M	5.00	0.100	1700
SS0908390ML□-□□□	39.00±20%	45	1K	2.520M	5.00	0.135	1500
SS0908470ML□-□□□	47.00±20%	40	1K	2.520M	4.00	0.150	1400
SS0908560ML□-□□□	56.00±20%	35	1K	2.520M	3.00	0.165	1350
SS0908680ML□-□□□	68.00±20%	30	1K	2.520M	2.50	0.184	1250
SS0908820ML□-□□□	82.00±20%	30	1K	2.520M	2.40	0.260	1050
SS0908101YL□-□□□	100.00±15%	40	1K	0.796M	6.00	0.280	1000
SS0908121YL□-□□□	120.00±15%	42	1K	0.796M	5.70	0.340	900
SS0908151YL□-□□□	150.00±15%	45	1K	0.796M	4.60	0.450	800
SS0908181YL□-□□□	180.00±15%	35	1K	0.796M	4.20	0.500	700
SS0908221YL□-□□□	220.00±15%	35	1K	0.796M	3.80	0.600	650
SS0908271YL□-□□□	270.00±15%	30	1K	0.796M	3.40	0.700	600
SS0908331YL□-□□□	330.00±15%	30	1K	0.796M	3.00	0.800	550
SS0908391YL□-□□□	390.00±15%	33	1K	0.796M	2.60	1.000	500
SS0908471YL□-□□□	470.00±15%	30	1K	0.796M	2.30	1.150	450
SS0908561YL□-□□□	560.00±15%	35	1K	0.796M	2.20	1.500	380
SS0908681YL□-□□□	680.00±15%	30	1K	0.796M	2.00	1.700	350
SS0908821YL□-□□□	820.00±15%	35	1K	0.796M	1.90	2.200	320
SS0908102YL□-□□□	1000.00±15%	85	1K	0.252M	1.80	2.500	300
SS0908152YL□-□□□	1500.00±15%	120	1K	0.252M	1.30	4.000	250
SS0908222YL□-□□□	2200.00±15%	95	1K	0.252M	1.00	5.000	200
SS0908332YL□-□□□	3300.00±15%	95	1K	0.252M	0.90	8.000	150
SS0908472YL□-□□□	4700.00±15%	90	1K	0.252M	0.80	12.000	120
SS0908682YL□-□□□	6800.00±15%	90	1K	0.252M	0.60	16.500	100
SS0908822YL□-□□□	8200.00±15%	85	1K	0.252M	0.50	24.000	97
SS0908103YL□-□□□	10000.00±15%	110	1K	79.60K	0.50	26.000	95
SS0908153YL□-□□□	15000.00±15%	130	1K	79.60K	0.40	40.000	75

1). □ : Packaging information... Bulk Taping Reel

2)."-□□□":Reference code

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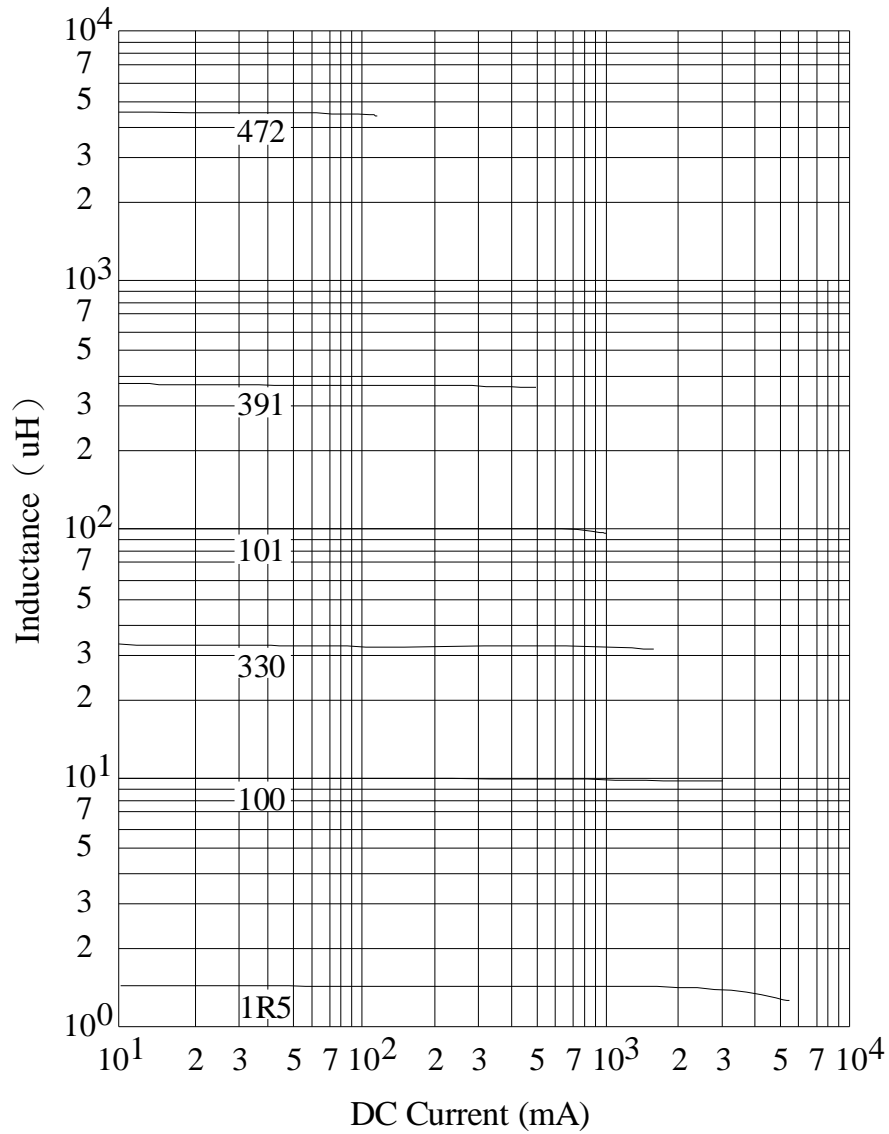
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NAME	POWER INDUCTOR	ABC'S ITEM NO.	

VI . INDUCTANCE VS. DC CURRENT CURVE :



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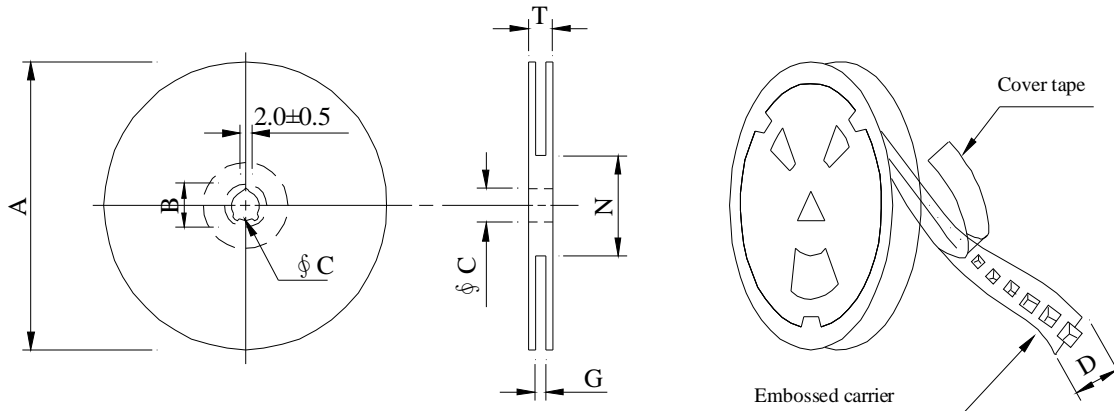
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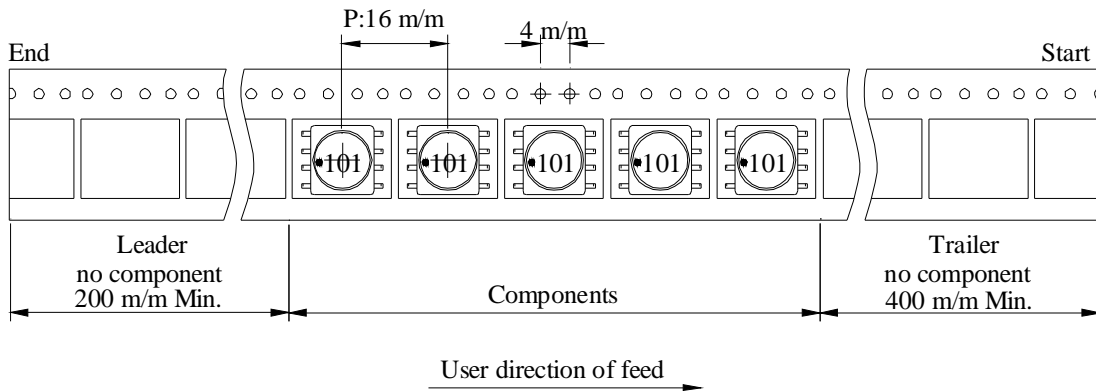
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VII . PACKAGING INFORMATION :

(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)
SS0908	400	1,600	13 - 24	1,600	8.6	38 x 37 x 22

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IX . RELIABILITY TEST :

Test item	Specification	Test condition						
Solderability	More than 95% of the terminal electrode shall be covered With fresh solder.	Preheat : 155°C / 4 hours. Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent Solder temp. : 235±5°C Flux : Rosin Dip time : 5±0.5 seconds						
Thermal shock test (Temp. cycle)	Electrical oharacteristics shall not change more than ±20%	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Room temp. 15 minutes</td> <td style="text-align: center;">→</td> <td style="text-align: center;">-40 °C 30 minutes</td> </tr> <tr> <td style="text-align: center;">Room temp. 15 minutes</td> <td style="text-align: center;">→</td> <td style="text-align: center;">+105 °C 30 minutes</td> </tr> </table> <p>Total : 50 cycles</p>	Room temp. 15 minutes	→	-40 °C 30 minutes	Room temp. 15 minutes	→	+105 °C 30 minutes
Room temp. 15 minutes		→	-40 °C 30 minutes					
Room temp. 15 minutes		→	+105 °C 30 minutes					
Humidity Test		Temperature : 40±2°C Humidity : 90±5% Time : 1000 hours						
High temp. Resistance test	Temperature : 105±5°C Applied current : Per spec. Time : 96 hours							

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X . UL CARD :

OBMW2 September 8, 2000

Magnet Wire-Component

JUNG SHING WIRE CO LTD E174837

231 CHUNG CHENG RD, SEC 3 JEN-TEH HSIANG, TAINAN
HSIEN TAIWAN

Mtl Dsg	Mark Dsg	BC	Coat Typ	OC	ANSI Type	Temp Class
AIW	---	Polyamideimide	---	---	MW81-C	220
CFUEWB	---	Polyurethane	---	---	MW75C	130
EIAIW	---	Polyesterimide	Polyamideimide	---	MW35C	200
EILOCKY	---	Polyesterimide	Polyamide	---	---	180
EILOCKW	---	Polyesterimide	Modified Epoxy	---	---	200
EIW	---	Polyesterimide	---	---	---	220
EIW-2	---	Polyesterimide	---	---	MW74-C	200
FL.EILOCKY	---	Modified Polyester	Polyamide	---	---	155
LSFFW	---	Polyurethane	---	---	MW79-C	155
LSUEW	---	Polyurethane	---	---	---	130
PEW	---	Polyester	---	---	---	155
PEY	---	Polyester	Nylon	---	MW24-C	155
SF.FLW	---	Modified Polyester	---	---	MW26C	155
SF.EIW	---	Polyesterimide	---	---	MW77C	180
SF.BY@	---	Modified Polyester	Nylon	---	MW27-C	155
SF.FLY@	---	Modified Polyester	Nylon	---	MW27-C	155
SF.BLOCKBS	---	Modified Polyester	Modified Polyamide	---	---	155
SF.EILOCKY#	---	Polyesterimide	Polyamide	---	---	180
SF.EILOCKBS	---	Polyesterimide	Modified Polyamide	---	---	180
SF.BW@	---	Modified Polyester	---	---	MW26C	155
SFFW	---	Polyurethane	---	---	MW79	155

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Mtl Dsg	Mark Dsg	BC	Coat Typ	OC	ANSI Type	Temp Class
SFFY	---	Polyurethane	---	Polyamide	MW80C	155
UEW-1	---	Polyurethane	---	---	MW2-C	105
UEW-2	---	Polyurethane	---	---	---	130
UEW-4	---	Polyurethane	---	---	MW75C	130
UEY	---	Polyurethane	Nylon	---	MW28-C	130
UEY-2	---	Polyurethane	Polyamide	---	MW28-C	130

@-May be suffixed by LZ; # - May be suffixed by LZ, EL or LZL
LZ - Signifies magnd wires twisted together; EL - signifies base coated magnet wire laid parallel with top coat applied overall; LZL - signifies base coated magnet wire twisted together and covered with top coat overall.

Marking: Company name or trademarks or 榮星電線 , material designation or marked designation on packaed or reel, and Recognized Component Mark.

See General Information Preceding These Recognitions
For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

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OBMW2E174837
September 8 , 2000