

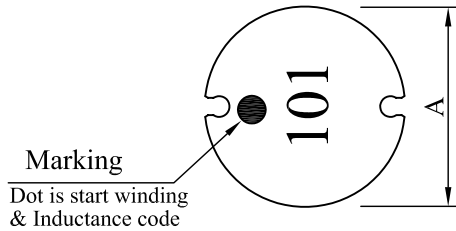
SPECIFICATION FOR APPROVAL

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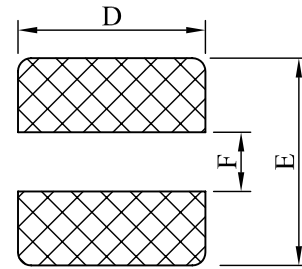
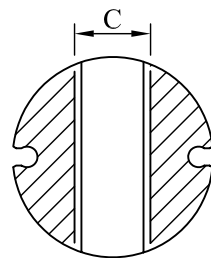
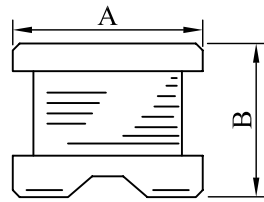
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0604□□□□L□-□□□
		ABC'S ITEM NO.	

I . CONFIGURATION & DIMENSIONS :

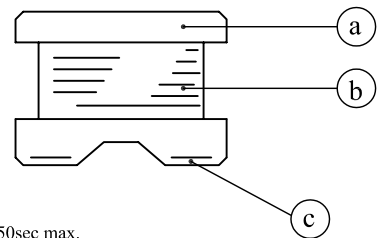
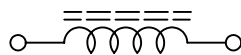


- A : 5.6±0.2 m/m
- B : 4.5±0.3 m/m
- C : 2.3 ref. m/m
- D : 5.8 ref. m/m
- E : 6.0 ref. m/m
- F : 1.7 ref. m/m



(PCB Pattern)

II . SCHEMATIC DIAGRAM :



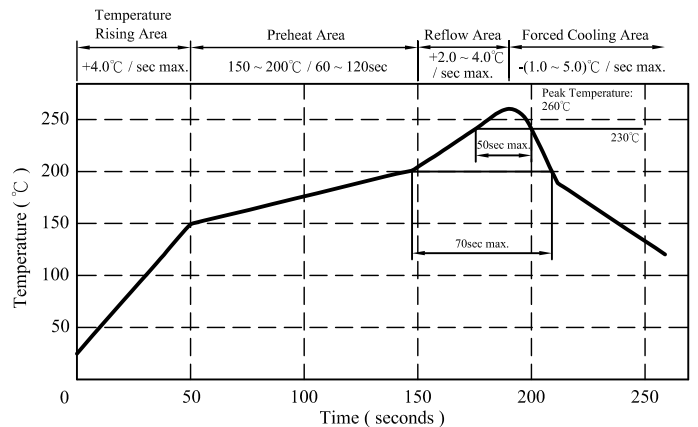
III . MATERIALS :

- a . Core : Ferrite DR core
- b . Wire : Enamelled Copper wire (class F)
- c . Terminal : Ag/Ni/Sn
- d . Remark : Products comply with RoHS' requirements

Peak Temp : 260°C max.
Max time above 230°C : 50sec max.
Max time above 200°C : 70sec max.

IV . GENERAL SPECIFICATION :

- a . Temp. rise : 40°C max.
- b . Rated current : Base on temp. rise & $\Delta L / LOA=10\%$ max.
- c . Storage temp. : -40°C ----+125°C
- d . Operating temp. : -40°C ----+105°C
- e . Resistance to solder heat : 260°C .10 secs.



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V . ELECTRICAL CHARACTERISITCS :

DWG No.	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR06041R2ML□-□□□	1.2±20%	35	1K	7.960M	155.0	0.020	4.20
SR06041R5ML□-□□□	1.5±20%	32	1K	7.960M	108.0	0.024	3.60
SR06042R2ML□-□□□	2.2±20%	33	1K	7.960M	79.0	0.031	2.80
SR06042R7ML□-□□□	2.7±20%	22	1K	7.960M	65.0	0.055	2.30
SR06043R3ML□-□□□	3.3±20%	22	1K	7.960M	60.0	0.060	2.00
SR06043R9ML□-□□□	3.9±20%	22	1K	7.960M	40.0	0.065	1.90
SR06044R7ML□-□□□	4.7±20%	20	1K	7.960M	34.0	0.070	1.80
SR06045R6ML□-□□□	5.6±20%	20	1K	7.960M	30.0	0.075	1.70
SR06046R8ML□-□□□	6.8±20%	20	1K	7.960M	28.0	0.080	1.60
SR06048R2ML□-□□□	8.2±20%	20	1K	7.960M	26.0	0.090	1.50
SR0604100ML□-□□□	10.0±20%	30	1K	2.520M	23.0	0.100	1.45
SR0604120ML□-□□□	12.0±20%	30	1K	2.520M	22.0	0.120	1.40
SR0604150YL□-□□□	15.0±15%	30	1K	2.520M	20.0	0.140	1.30
SR0604180YL□-□□□	18.0±15%	30	1K	2.520M	18.0	0.150	1.25
SR0604220YL□-□□□	22.0±15%	30	1K	2.520M	16.0	0.190	1.10
SR0604270YL□-□□□	27.0±15%	28	1K	2.520M	14.0	0.220	1.00
SR0604330KL□-□□□	33.0±10%	24	1K	2.520M	13.0	0.250	0.88
SR0604390KL□-□□□	39.0±10%	24	1K	2.520M	13.0	0.320	0.80
SR0604470KL□-□□□	47.0±10%	22	1K	2.520M	12.0	0.370	0.72
SR0604560KL□-□□□	56.0±10%	22	1K	2.520M	11.0	0.420	0.68
SR0604680KL□-□□□	68.0±10%	22	1K	2.520M	10.0	0.520	0.62
SR0604820KL□-□□□	82.0±10%	20	1K	2.520M	9.0	0.600	0.58
SR0604101KL□-□□□	100.0±10%	20	1K	796K	8.5	0.700	0.52
SR0604121KL□-□□□	120.0±10%	22	1K	796K	6.6	0.930	0.48
SR0604151KL□-□□□	150.0±10%	22	1K	796K	6.2	1.100	0.40
SR0604181KL□-□□□	180.0±10%	20	1K	796K	6.0	1.380	0.38
SR0604221KL□-□□□	220.0±10%	20	1K	796K	5.6	1.570	0.35
SR0604271KL□-□□□	270.0±10%	26	1K	796K	3.9	1.880	0.32
SR0604331KL□-□□□	330.0±10%	25	1K	796K	3.3	2.250	0.27
SR0604391KL□-□□□	390.0±10%	25	1K	796K	3.1	2.480	0.25
SR0604471KL□-□□□	470.0±10%	25	1K	796K	2.9	3.300	0.21
SR0604561KL□-□□□	560.0±10%	24	1K	796K	2.5	4.000	0.18
SR0604681KL□-□□□	680.0±10%	26	1K	796K	2.3	4.650	0.16
SR0604821KL□-□□□	820.0±10%	25	1K	796K	2.0	5.200	0.14

- 1). □ : Packaging information... [A]: Bulk [B]: Taping Reel
- 2). "- □□□□ ":Reference code
- 3). IDC base on temp. rise 40°C max. & ΔL/L0A=10% max.

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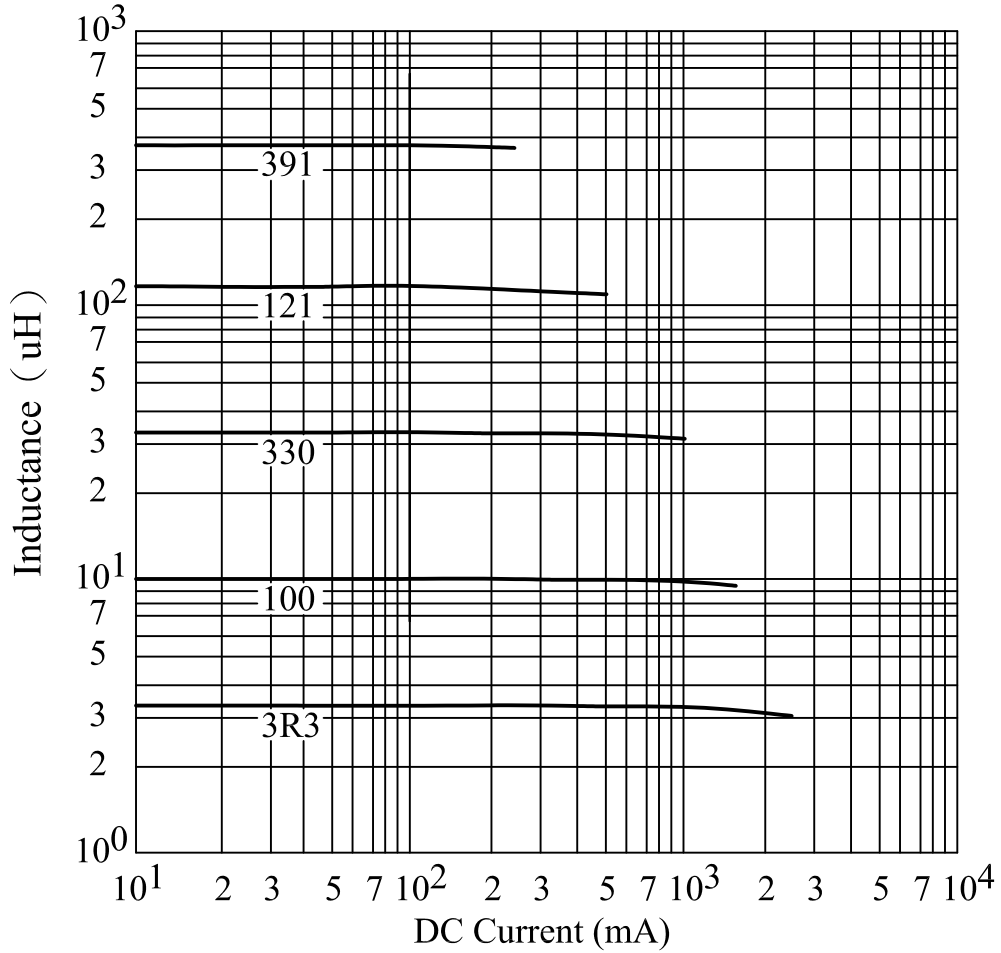
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VI . INDUCTANCE VS. DC CURRENT CURVE :



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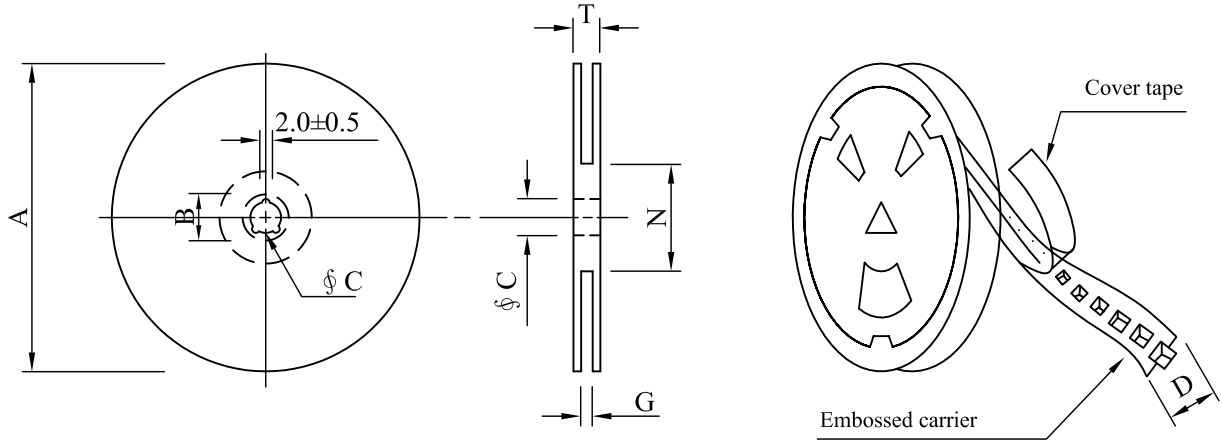
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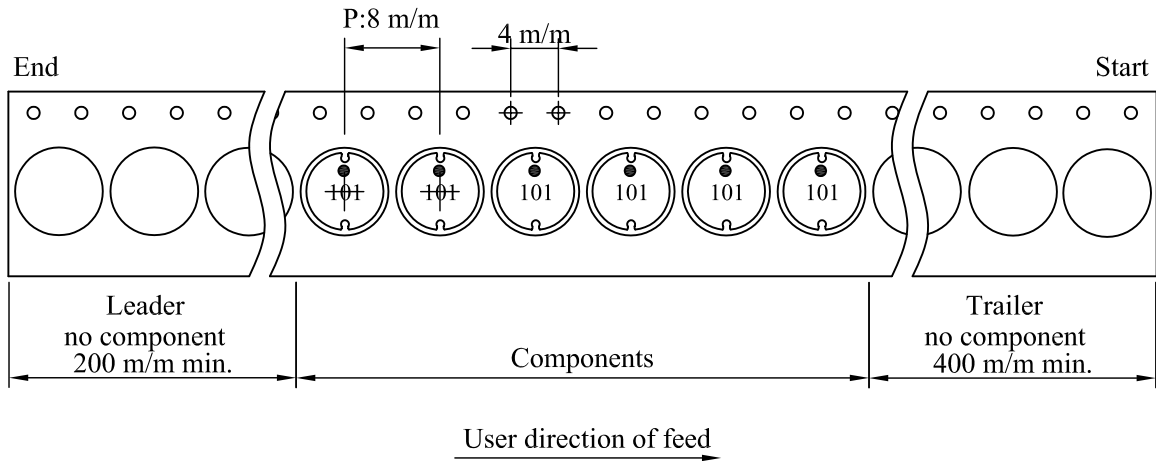
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VII . PACKAGING INFORMATION :

(1) Configuration



※Carrier tape width : D



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
07 - 12	178	21±0.8	13	12	14 ⁺⁰	50 ⁻⁰	16.5
13 - 12	330	21±0.8	13±0.5	12	14 ⁺⁰	50 ⁻⁰	18.4

(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)
SR0604	400	300	07 - 12	16,000	10.0	42 x 41 x 24
SR0604	1500	1180	13 - 12	12,000	11.5	40 x 40 x 24

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IX . RELIABILITY TEST :

Test item	Specification	Test condition						
Solderability	More than 90% of the terminal electrode shall be covered With fresh solder.	Preheat : 150±25°C for 60 seconds Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent Solder temp. : 235±5°C Flux : Rosin Dip time : 4±1 seconds						
Thermal shock test (Temp. cycle)	Inductance 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;">-25±2 °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;">85±2 °C 30 minutes</td> </tr> </table> <p>Total : 50 cycles</p>	Room temp. 15 minutes	→	-25±2 °C 30 minutes	Room temp. 15 minutes	→	85±2 °C 30 minutes
Room temp. 15 minutes		→	-25±2 °C 30 minutes					
Room temp. 15 minutes		→	85±2 °C 30 minutes					
Humidity Resistance test		Temperature : 40±2°C Humidity : 90 ~ 95% Applied current : Per spec. Time : 500 hours						
High temp. Resistance test	Temperature : 105±2°C Applied current : Per spec. Time : 500 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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committed to quality service

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 LZI.
 LZ - Signifies magened 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 JSW 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