

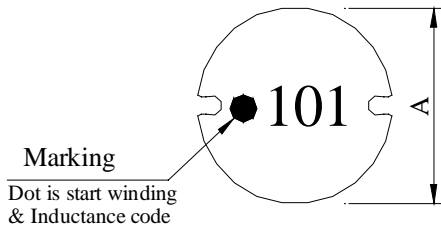
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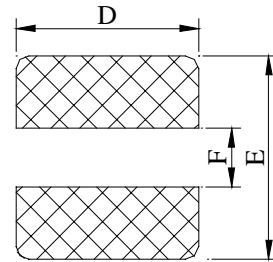
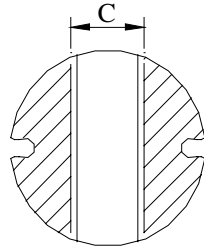
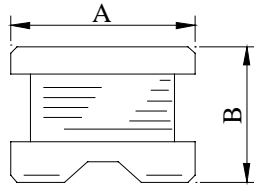
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0805□□□□L□
		ABC'S ITEM NO.	

. CONFIGURATION & DIMENSIONS :

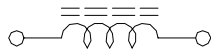


- A : 7.5±0.3 m/m
- B : 5.0±0.3 m/m
- C : 2.6 ref. m/m
- D : 8.0 ref. m/m
- E : 7.8 ref. m/m
- F : 2.4 ref. m/m



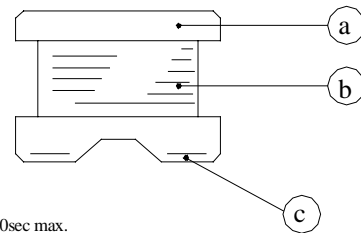
(PCB Pattern)

. SCHEMATIC DIAGRAM :



. MATERIALS :

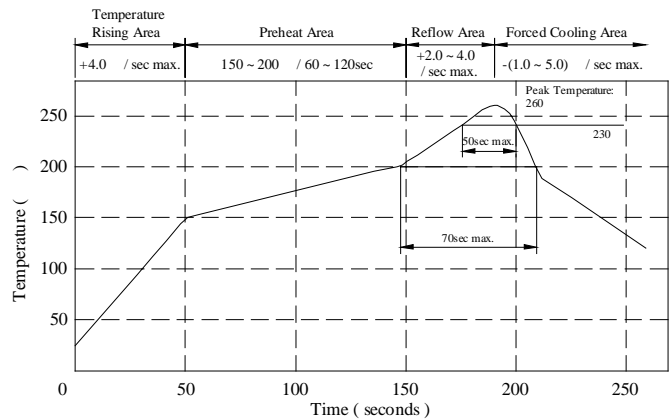
- a . Core : Ferrite DR core
- b . Wire : Enamelled copper wire (class F)
- c . Terminal : Ag/Ni/Sn
- d . Remark : Lead content 200ppm max.
include ferrite



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

. GENERAL SPECIFICATION :

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



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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO. ABC'S ITEM NO.	SR0805□□□□L□
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. ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μ H)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR08051R5ML□	1.5 \pm 20%	32	1K	7.960M	120.0	0.015	6.00
SR08052R5ML□	2.5 \pm 20%	32	1K	7.960M	70.0	0.020	5.00
SR08053R3ML□	3.3 \pm 20%	32	1K	7.960M	55.0	0.022	4.60
SR08053R9ML□	3.9 \pm 20%	32	1K	7.960M	45.0	0.024	4.40
SR08054R7ML□	4.7 \pm 20%	31	1K	7.960M	38.0	0.033	3.70
SR08055R6ML□	5.6 \pm 20%	31	1K	7.960M	34.0	0.035	3.50
SR08056R8ML□	6.8 \pm 20%	30	1K	7.960M	33.0	0.040	3.20
SR08058R2ML□	8.2 \pm 20%	29	1K	7.960M	30.0	0.050	2.80
SR0805100ML□	10.0 \pm 20%	25	1K	2.520M	22.0	0.070	2.30
SR0805120ML□	12.0 \pm 20%	25	1K	2.520M	20.0	0.080	2.00
SR0805150ML□	15.0 \pm 20%	25	1K	2.520M	16.0	0.090	1.80
SR0805180ML□	18.0 \pm 20%	20	1K	2.520M	15.0	0.100	1.60
SR0805220ML□	22.0 \pm 20%	20	1K	2.520M	13.0	0.110	1.50
SR0805270ML□	27.0 \pm 20%	20	1K	2.520M	12.0	0.120	1.30
SR0805330KL□	33.0 \pm 10%	15	1K	2.520M	10.0	0.140	1.20
SR0805390KL□	39.0 \pm 10%	15	1K	2.520M	9.5	0.160	1.10
SR0805470KL□	47.0 \pm 10%	15	1K	2.520M	9.0	0.200	1.00
SR0805560KL□	56.0 \pm 10%	15	1K	2.520M	8.5	0.240	0.94
SR0805680KL□	68.0 \pm 10%	15	1K	2.520M	8.0	0.300	0.85
SR0805820KL□	82.0 \pm 10%	12	1K	2.520M	7.0	0.370	0.78
SR0805101KL□	100.0 \pm 10%	12	1K	0.796M	6.5	0.450	0.72
SR0805121KL□	120.0 \pm 10%	12	1K	0.796M	5.6	0.480	0.66
SR0805151KL□	150.0 \pm 10%	12	1K	0.796M	5.5	0.680	0.58
SR0805181KL□	180.0 \pm 10%	12	1K	0.796M	5.0	0.770	0.51
SR0805221KL□	220.0 \pm 10%	12	1K	0.796M	4.8	0.960	0.49
SR0805271KL□	270.0 \pm 10%	12	1K	0.796M	4.5	1.110	0.42
SR0805331KL□	330.0 \pm 10%	12	1K	0.796M	4.3	1.260	0.40
SR0805391KL□	390.0 \pm 10%	12	1K	0.796M	4.0	1.770	0.36
SR0805471KL□	470.0 \pm 10%	12	1K	0.796M	3.8	1.960	0.34
SR0805561KL□	560.0 \pm 10%	30	1K	0.796M	3.7	2.500	0.30
SR0805681KL□	680.0 \pm 10%	29	1K	0.796M	3.5	2.800	0.28
SR0805821KL□	820.0 \pm 10%	28	1K	0.796M	3.2	4.000	0.23
SR0805102KL□	1000.0 \pm 10%	27	1K	0.252M	3.0	4.500	0.21
SR0805122KL□	1200.0 \pm 10%	28	1K	0.252M	2.6	6.800	0.17
SR0805152KL□	1500.0 \pm 10%	27	1K	0.252M	2.4	8.000	0.15
SR0805182KL□	1800.0 \pm 10%	30	1K	0.252M	1.6	9.200	0.14
SR0805222KL□	2200.0 \pm 10%	29	1K	0.252M	1.5	10.000	0.13
SR0805272KL□	2700.0 \pm 10%	31	1K	0.252M	1.4	11.800	0.12
SR0805332KL□	3300.0 \pm 10%	28	1K	0.252M	1.2	16.500	0.10
SR0805392KL□	3900.0 \pm 10%	28	1K	0.252M	1.1	18.000	0.09
SR0805472KL□	4700.0 \pm 10%	30	1K	0.252M	1.0	21.000	0.08

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

2). IDC base on temp. rise 40 max. & L/LOA=10% max.

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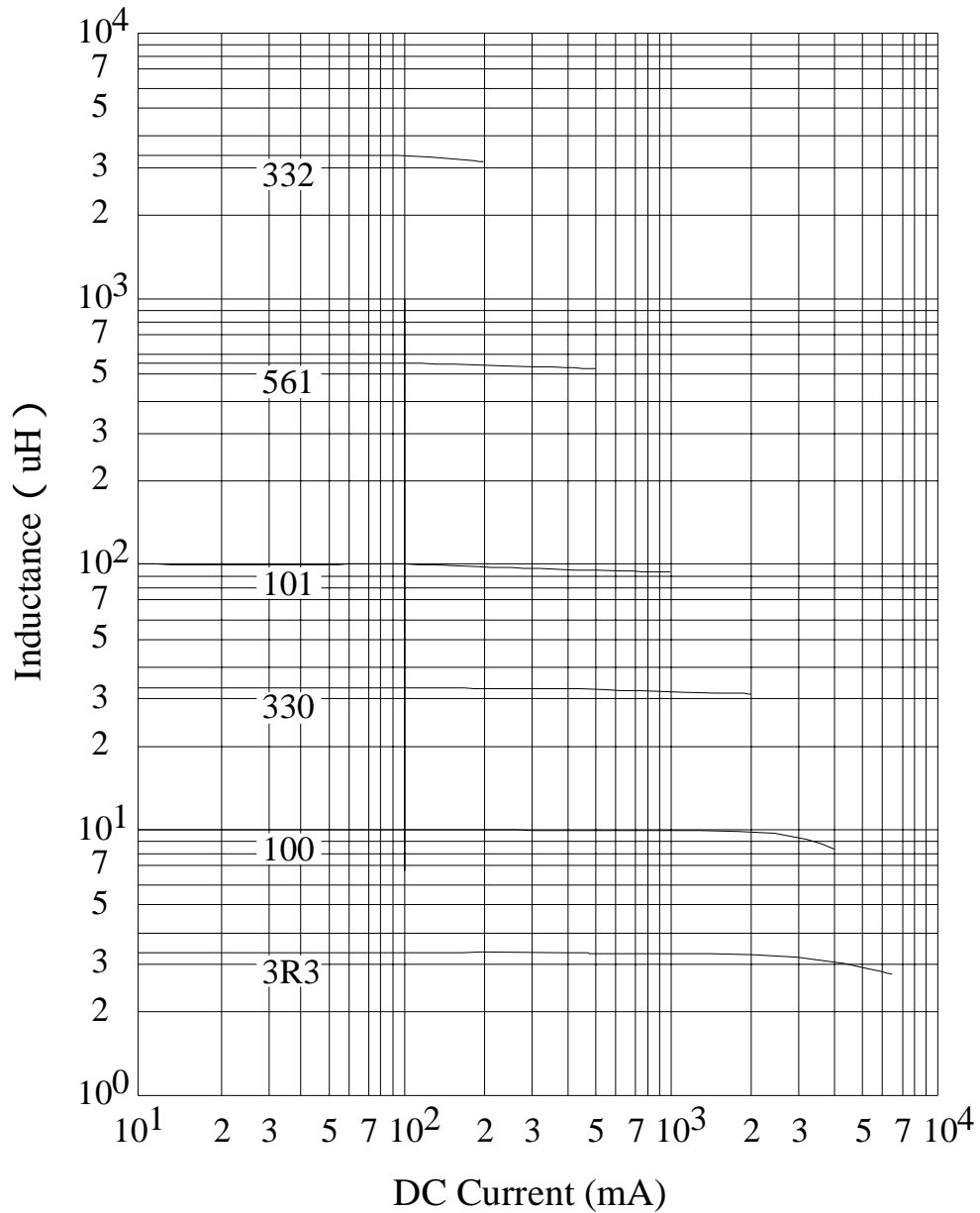
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO. ABC'S ITEM NO.	SR0805□□□□L□
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. INDUCTANCE VS. DC CURRENT CURVE :



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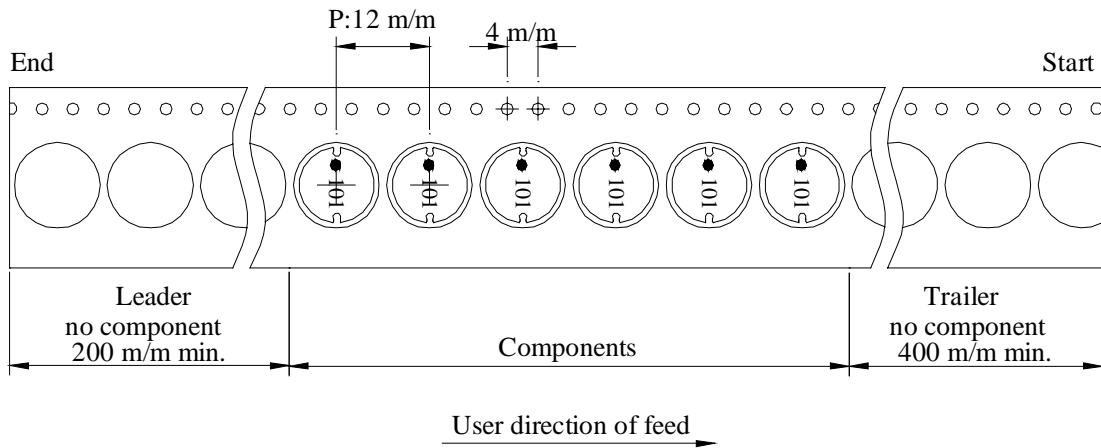
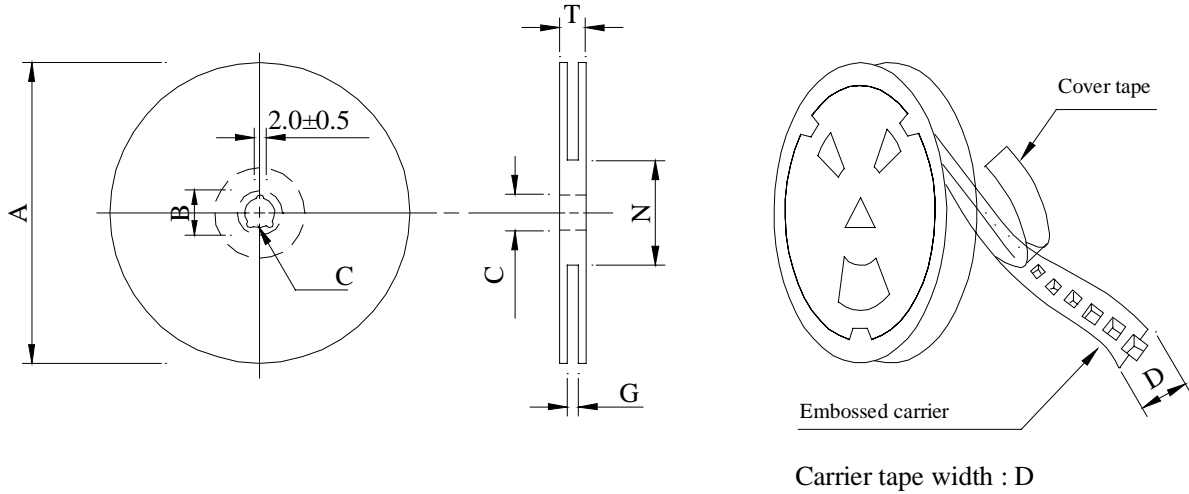
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0805□□□□L□
		ABC'S ITEM NO.	

PACKAGING INFORMATION :

(1) Configuration



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
13 - 16	330	21±0.8	13±0.5	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)
SR0805	1,000	1,300	13 - 16	6,000	10.5	40 x 40 x 24

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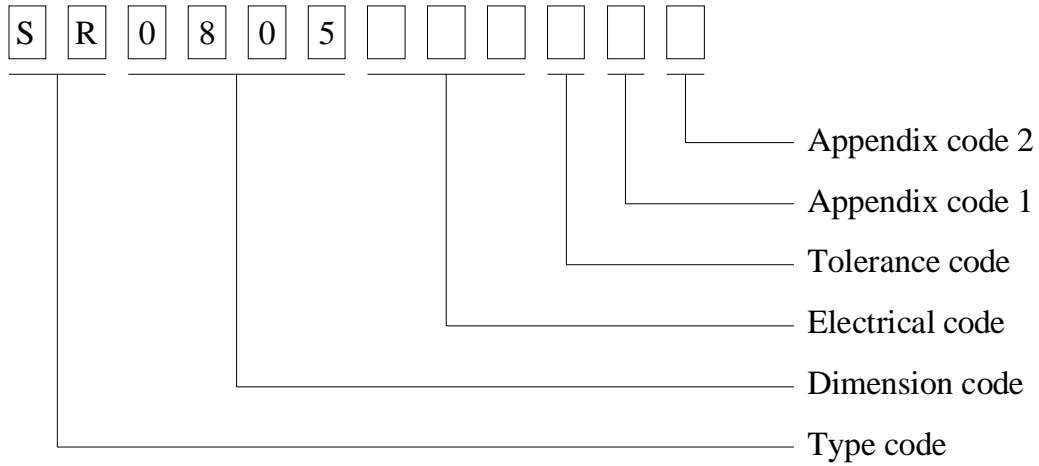
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0805□□□□L□
		ABC'S ITEM NO.	

. DWG EXPRESSION :



- Appendix code 1 : S : Standard products
- A K , M R , T Z : Special products
- L : Standard Lead Free products
- 1 ~ 9 : Special Lead Free products

Appendix code 2 :

Code	Inner package	Inner package Q'TY	Remark
A	Empty	Empty	
B	T / R (Reel package)	1000 pcs	

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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SR0805□□□□L□
		ABC'S ITEM NO.	

. RELIABILITY TEST :

Test item	Specification	Test condition												
Solderability	More than 90% of the terminal electrode shall be covered With fresh solder.	Preheat : 150±25 for 60 seconds Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent Solder temp. : 235±5 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.</td> <td style="text-align: center;">—————▶</td> <td style="text-align: center;"><u> -25±2 </u></td> </tr> <tr> <td style="text-align: center;">15 minutes</td> <td></td> <td style="text-align: center;">30 minutes</td> </tr> <tr> <td style="text-align: center;">Room temp.</td> <td style="text-align: center;">—————▶</td> <td style="text-align: center;"><u> 85±2 </u></td> </tr> <tr> <td style="text-align: center;">15 minutes</td> <td></td> <td style="text-align: center;">30 minutes</td> </tr> </table> <p>Total : 50 cycles</p>	Room temp.	—————▶	<u> -25±2 </u>	15 minutes		30 minutes	Room temp.	—————▶	<u> 85±2 </u>	15 minutes		30 minutes
Room temp.		—————▶	<u> -25±2 </u>											
15 minutes			30 minutes											
Room temp.		—————▶	<u> 85±2 </u>											
15 minutes		30 minutes												
Humidity Resistance test	Temperature : 40±2 Humidity : 90 ~ 95% Applied current : Per spec. Time : 500 hours													
High temp. Resistance test	Temperature : 105±2 Applied current : Per spec. Time : 500 hours													

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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO. ABC'S ITEM NO.	SR0805□□□□L□
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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 LZL.
LZ - Signifies magened wires twisted together; EL - signifies base coated magnet wire laid parallel with top coat applied overall; LZL - signi-
fies 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

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