

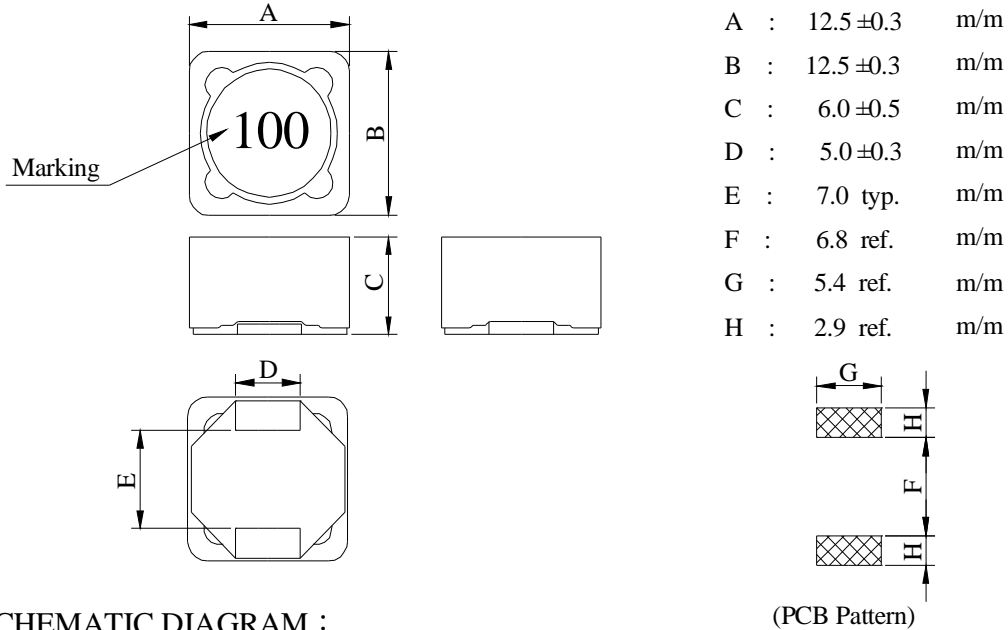
SPECIFICATION FOR APPROVAL

REF: 20090505-A

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PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO. ABC'S ITEM NO.	SS1260□□□□L□-□□□
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I . CONFIGURATION & DIMENSIONS :

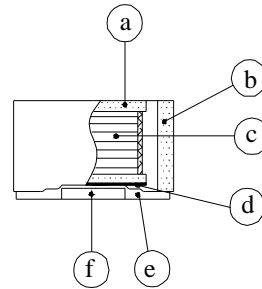


II . SCHEMATIC DIAGRAM :



III . MATERIALS :

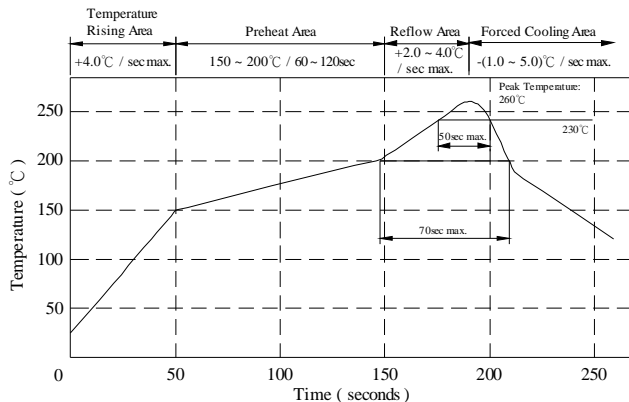
- a . Core : Ferrite DR core
- b . Core : Ferrite RI core
- c . Wire : Enamelled copper wire (class F)
- d . Adhesive : Epoxy resin
- e . Base : LCP
- f . Terminal : Cu/Ni/Sn
- g . Remark : Products comply with RoHS' requirements



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 typ.
- b . Storage temp. : -40°C ----+125°C
- c . Operating temp. : -40°C ----+125°C
(Temp. rise included)
- d . Resisance to solder heat : 260°C . 10 secs.



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V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (mΩ) max.	Irms (A)	Isat (A)
SS12601R0YL□-□□□	1.0±30%	26	7.96	100.00	7.8	9.40	10.00
SS12601R2YL□-□□□	1.2±30%	18	7.96	91.10	8.0	9.20	9.80
SS12601R5YL□-□□□	1.5±30%	24	7.96	86.00	9.5	8.80	9.00
SS12602R2YL□-□□□	2.2±30%	22	7.96	70.00	10.5	8.20	8.50
SS12602R4YL□-□□□	2.4±30%	18	7.96	63.80	11.5	7.80	8.00
SS12603R3YL□-□□□	3.3±30%	20	7.96	40.00	12.0	7.60	7.80
SS12603R5YL□-□□□	3.5±30%	22	7.96	37.60	13.0	7.50	7.60
SS12604R7YL□-□□□	4.7±30%	19	7.96	36.70	15.5	6.80	7.00
SS12605R6YL□-□□□	5.6±30%	19	7.96	33.00	16.2	6.70	6.90
SS12606R1YL□-□□□	6.1±30%	21	7.96	29.80	17.0	6.60	6.80
SS12606R8YL□-□□□	6.8±30%	20	7.96	28.20	18.0	6.30	6.50
SS12607R6YL□-□□□	7.6±30%	16	7.96	27.90	19.0	6.00	6.20
SS12608R2YL□-□□□	8.2±30%	18	7.96	24.00	19.5	5.70	5.80
SS1260100ML□-□□□	10.0±20%	32	2.52	21.00	20.0	5.50	5.50
SS1260120ML□-□□□	12.0±20%	27	2.52	19.40	23.0	5.20	5.00
SS1260150ML□-□□□	15.0±20%	25	2.52	17.60	27.0	5.00	4.60
SS1260180ML□-□□□	18.0±20%	28	2.52	15.50	36.0	4.20	3.90
SS1260220ML□-□□□	22.0±20%	29	2.52	13.40	43.0	4.00	3.70
SS1260270ML□-□□□	27.0±20%	26	2.52	12.70	45.0	3.60	3.30
SS1260330ML□-□□□	33.0±20%	27	2.52	9.97	60.0	3.00	2.80
SS1260390ML□-□□□	39.0±20%	22	2.52	10.40	70.0	2.80	2.70
SS1260470ML□-□□□	47.0±20%	22	2.52	7.63	86.0	2.60	2.50
SS1260560ML□-□□□	56.0±20%	24	2.52	7.92	100.0	2.30	2.20
SS1260680ML□-□□□	68.0±20%	22	2.52	7.43	110.0	2.10	2.10
SS1260820ML□-□□□	82.0±20%	25	2.52	6.85	145.0	1.95	1.90
SS1260101ML□-□□□	100.0±20%	26	0.796	6.07	180.0	1.70	1.70
SS1260121KL□-□□□	120.0±10%	26	0.796	5.50	210.0	1.65	1.65
SS1260151KL□-□□□	150.0±10%	20	0.796	5.00	260.0	1.55	1.55
SS1260181KL□-□□□	180.0±10%	26	0.796	4.50	320.0	1.40	1.40
SS1260221KL□-□□□	220.0±10%	22	0.796	4.20	380.0	1.38	1.30
SS1260271KL□-□□□	270.0±10%	20	0.796	3.60	450.0	1.30	1.20
SS1260331KL□-□□□	330.0±10%	22	0.796	3.20	580.0	1.15	1.10
SS1260391KL□-□□□	390.0±10%	20	0.796	2.80	700.0	1.08	1.00
SS1260471KL□-□□□	470.0±10%	18	0.796	2.60	820.0	0.95	0.90
SS1260561KL□-□□□	560.0±10%	22	0.796	2.40	1000.0	0.88	0.80
SS1260681KL□-□□□	680.0±10%	18	0.796	2.20	1150.0	0.80	0.75
SS1260821KL□-□□□	820.0±10%	20	0.796	2.00	1500.0	0.73	0.63
SS1260102KL□-□□□	1000.0±10%	30	0.252	1.80	1700.0	0.68	0.60

- 1). □ : Packaging information... Bulk Taping Reel
- 2). "-□□□": Reference code
- 3). L Test Freq. : 100KHz / 0.1V (1R0Y~8R2Y), 1KHz / 1V (100M~102K)
- 4). Irms Base on temp rise 40°C typ.
- 5). Isat Base on ΔL/L0A=25% typ.

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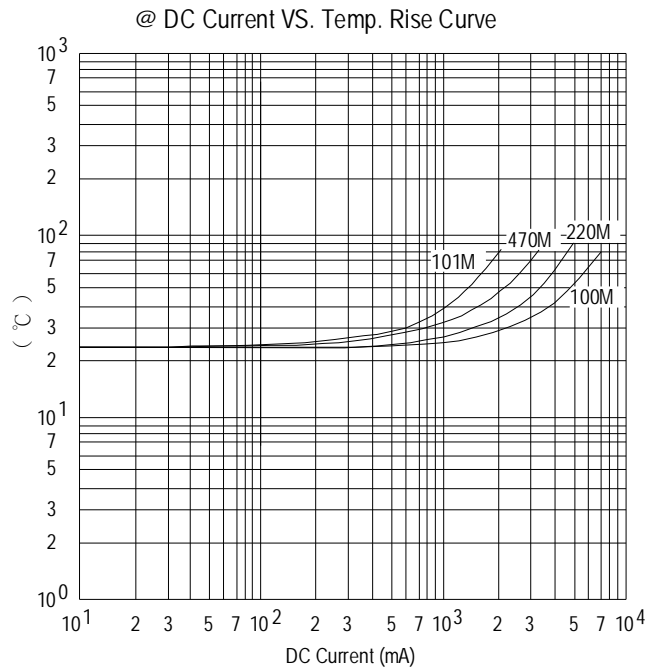
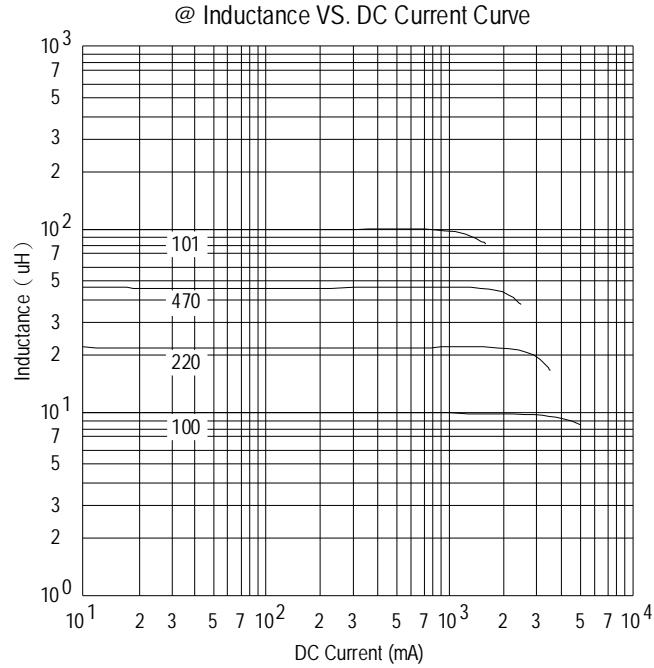


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		ABC'S ITEM NO.	



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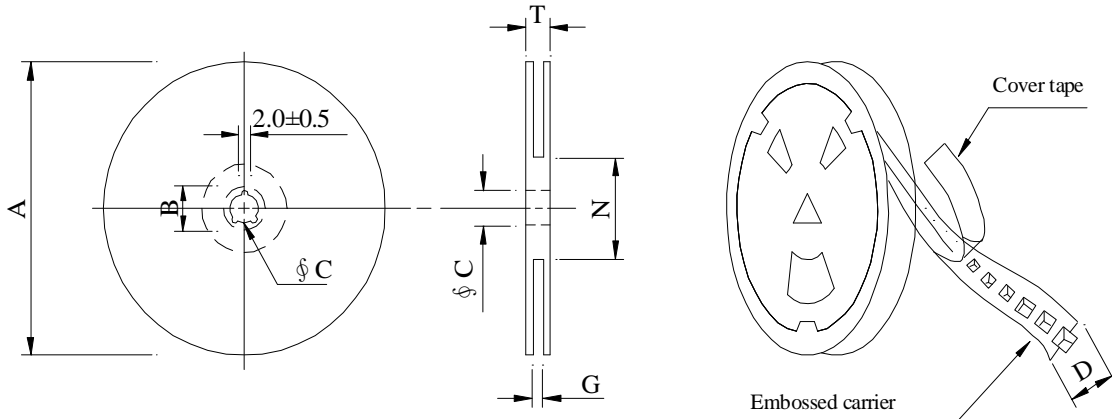
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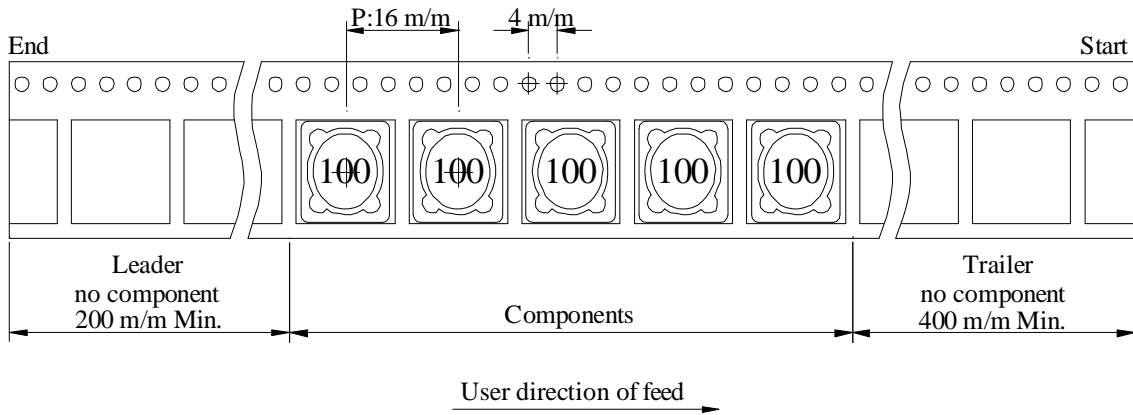
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		ABC'S ITEM NO.	

VI . 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)
SS1260	600	2,200	13 - 24	2,400	11.0	40 x 40 x 24
SS1260	500	1,900	13 - 24	2,000	9.20	40 x 40 x 24

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		ABC'S ITEM NO.	

VIII . 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;">+125 °C 30 minutes</td> </tr> </table> <p>Total : 50 cycles</p>	Room temp. 15 minutes	→	-40 °C 30 minutes	Room temp. 15 minutes	→	+125 °C 30 minutes
Room temp. 15 minutes		→	-40 °C 30 minutes					
Room temp. 15 minutes		→	+125 °C 30 minutes					
Humidity Test		<p>Temperature : 40±2°C Humidity : 90±5% Time : 1000 hours</p>						
High temp. Resistance test	<p>Temperature : 125±5°C Applied current : Per spec. Time : 96 hours</p>							

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		ABC'S ITEM NO.	

IX . 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
LSEFW	---	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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A not-for-profit organization dedicated to public safety and 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 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 (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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		ABC'S ITEM NO.	

		SUMITOMO CHEMICAL CO LTD						E54705 (M)				
		5-33 KITAHAMA 4-CHOME CHUO-KO, OSAKA JAPAN										
Mtl Dsg	Col	Min Thk mm	UL94 Flame Class	Elec	RTI		H W I	H A I	H V R	D 4 5	C T I	
					with Imp	Mech w/o Imp						
Liquid crystal polyester (LCP), designated "EKONOL" or "SUMIKASUPER", furnished in the form of pellets, (Contd)												
E4008 , E400X	NC , BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	130	130	130	3	4	—	—	—	
		1.5	94V-0	130	130	130	2	4	—	—	—	
		3.0	94V-0	130	130	130	1	4	0	5	4	
E4008	NC , WT, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	220	180	220	3	4	—	—	—	
		1.5	94V-0	220	200	240	2	4	—	—	—	
		3.0	94V-0	220	200	240	1	4	0	5	4	
E4010	NC , BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	220	180	220	3	4	—	—	—	
		1.5	94V-0	220	200	240	2	4	—	—	—	
		3.0	94V-0	220	200	240	1	4	0	5	4	
E400(Y)L , E4008L	NC , BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	130	130	130	3	4	—	—	—	
		1.5	94V-0	130	130	130	2	4	—	—	—	
		3.0	94V-0	130	130	130	1	4	0	5	4	
E4810	NC , BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	130	130	130	0	4	—	—	—	
		1.5	94V-0	130	130	130	0	4	—	—	—	
		3.0	94V-0	130	130	130	1	4	0	5	4	

(X) Denotes any number 1 thru 9.
(Y) Denotes any number 1 thru 7.

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