

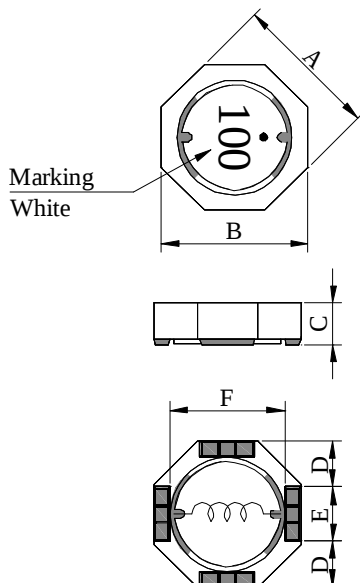
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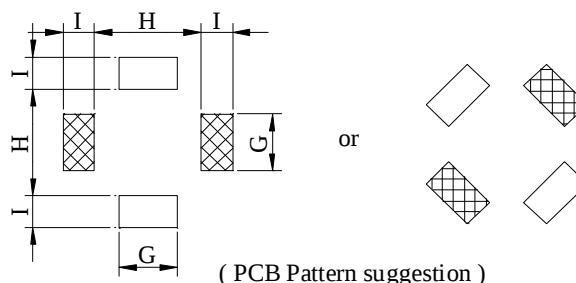
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PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SU6011□□□□F□-□□□
		ABC'S ITEM NO.	

I . CONFIGURATION & DIMENSIONS :



A	:	6.20	±0.30	m/m
B	:	6.50	±0.30	m/m
C	:	1.10	±0.15	m/m
D	:	2.15	typ	m/m
E	:	2.20	typ	m/m
F	:	4.90	typ	m/m
G	:	2.40	ref	m/m
H	:	4.90	ref	m/m
I	:	1.10	ref	m/m

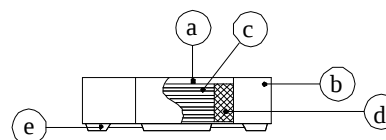


II . SCHEMATIC DIAGRAM :

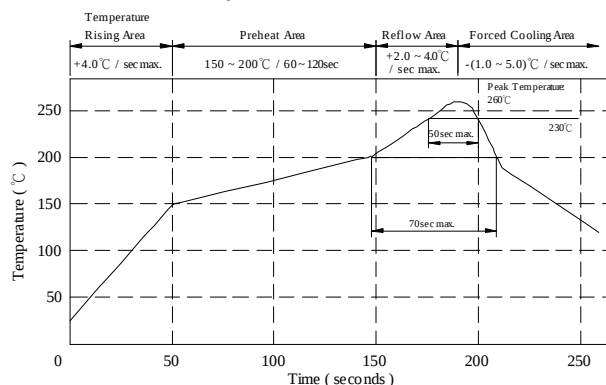


III . MATERIALS :

- a . Core : Ferrite DR core
- b . Core : Ferrite RI core
- c . Wire : Enamelled copper wire (class F & H)
- d . Adhesive : Epoxy resin
- e . Terminal : Ag/Ni/Sn
- f . 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 . Rated current :
Base on temp. rise & $\Delta L / L0A=35\%$ typ.
- 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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NAME	POWER INDUCTOR	ABC'S ITEM NO.	

V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μ H)	Q ref.	Test Freq. (Hz)		RDC (m Ω)		SRF (MHz)	Irms (mA)	Isat (mA)
			L	Q	typ.	max.			
SU60111R4YF□-□□□	1.4 $\pm$ 30%	8	100K	7.96M	30	40	140	2600	1800
SU60112R7YF□-□□□	2.7 $\pm$ 30%	8	100K	7.96M	48	62	100	2200	1450
SU60114R7YF□-□□□	4.7 $\pm$ 30%	8	100K	7.96M	66	86	70	1800	1100
SU60116R8YF□-□□□	6.8 $\pm$ 30%	7	100K	7.96M	105	136	55	1400	900
SU6011100YF□-□□□	10.0 $\pm$ 30%	12	100K	2.52M	170	220	45	1100	720
SU6011150YF□-□□□	15.0 $\pm$ 30%	10	100K	2.52M	240	320	32	950	620
SU6011220YF□-□□□	22.0 $\pm$ 30%	10	100K	2.52M	300	390	26	800	480
SU6011330YF□-□□□	33.0 $\pm$ 30%	10	100K	2.52M	430	560	22	680	380
SU6011470YF□-□□□	47.0 $\pm$ 30%	10	100K	2.52M	650	850	20	550	320
SU6011680YF□-□□□	68.0 $\pm$ 30%	12	100K	2.52M	920	1200	18	460	280

1). □ : Packaging Information... $\bar{A}$: Bulk $\bar{B}$: Taping Reel

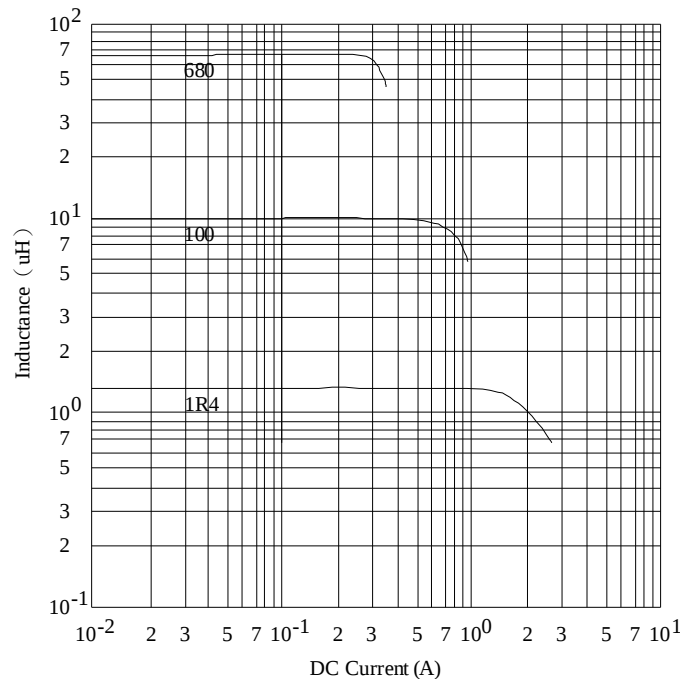
2). "- □□□":Reference code

3). Inductance Test Freq. : 100KHz / 0.1V

4). Isat base on $\Delta L / L0A=35\%$ typ.

5). Irms base on Temp. rise 40°C typ.

@ Inductance VS. DC Current Curve



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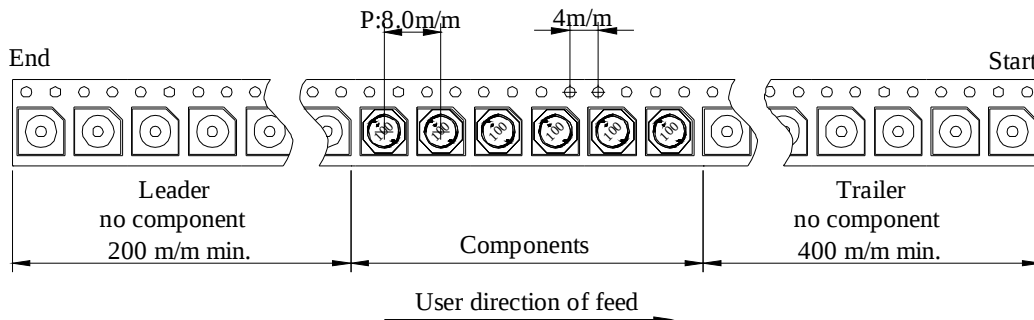
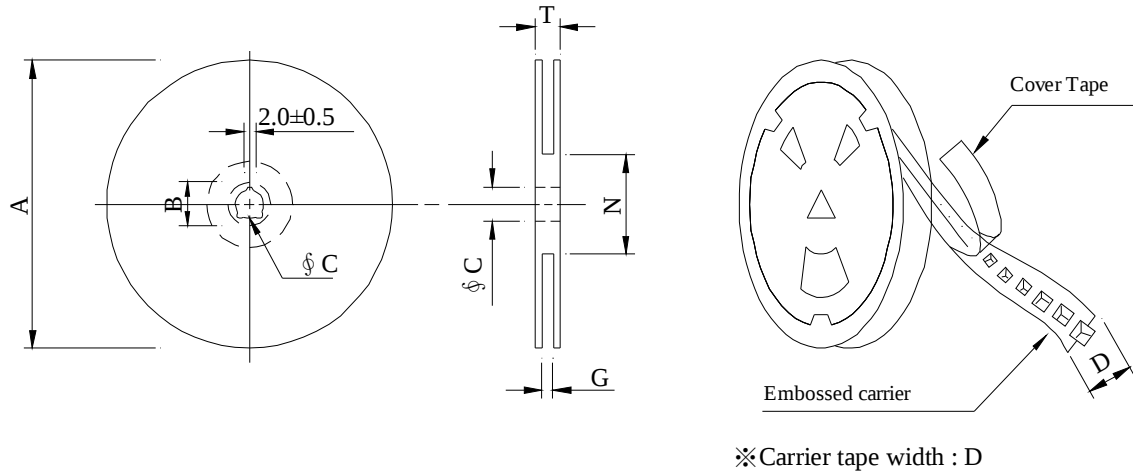
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		ABC'S ITEM NO.	

VI . PACKAGING INFORMATION :

(1) Configuration



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
07 - 12	178	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)
SU6011	1,000	150	07 - 12	40,000	6.0	42 x 41 x 24

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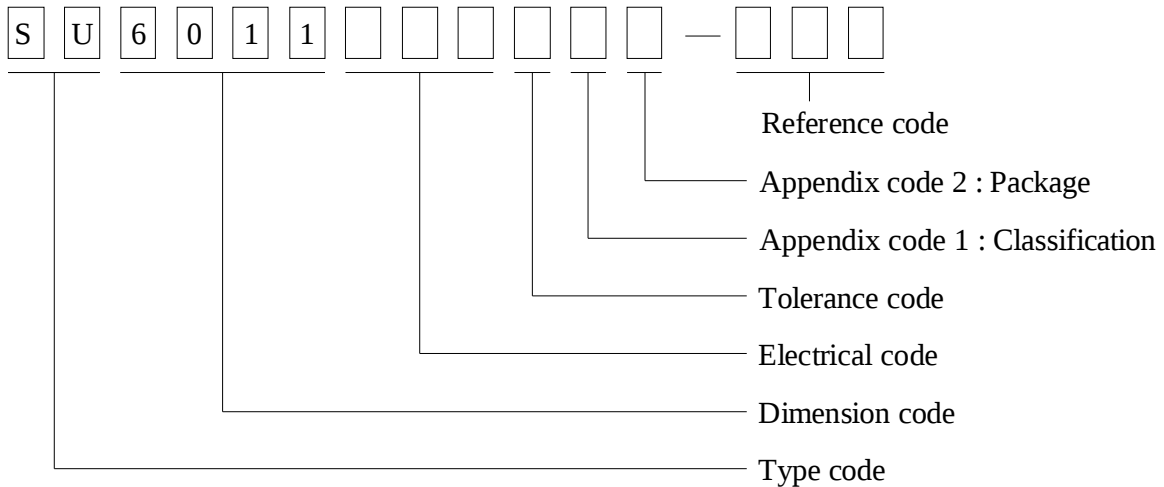
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VII . DWGING NUMBER EXPRESSION :



Appendix code 1 : Product Classification

F : Lead Free Standard products comply with RoHS' requirements

1 ~ 9 : Lead Free Special products comply with RoHS' requirements

Appendix code 2 : Package Information

Code	Inner package	Inner package QTY	Remark
A	T.B.D.	T.B.D.	
B	T / R (Reel package)	1000 pcs	

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VIII . RELIABILITY TEST :

Test item	Specification	Test condition
Solderability	More than 95% of the terminal electrode shall be covered With fresh solder.	Preheat : 155℃ / 4 hours. Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent Solder temp. : 235±5℃ Flux : Rosin Dip time : 5±0.5 seconds
Thermal shock test (Temp. cycle)	Electrical oharacteristics shall not change more than ±20%	Room temp. → -40 ℃ 15 minutes 30 minutes Room temp. → +105 ℃ 15 minutes 30 minutes Total : 50 cycles
Humidity test		Temperature : 40±2℃ Humidity : 90±5% Time : 1000 hours
High temp. Resistance test		Temperature : 105±5℃ Applied current : Per spec. Time : 96 hours

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IX . UL CARD :

OBMW2
Magnet Wire-Component
JUNG SHING WIRE CO LTD
231 CHUNG CHENG RD, SEC 3 JEN-TEH HSIANG, TAINAN
HSIEN TAIWAN
September 8, 2000
E174837

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 magnet 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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		ABC'S ITEM NO.	

OBMW2 August 27, 1999
Magnet Wire-Comporent
ELEKTRISOLA (MALAYSLA) SDN BHD E143312
IALAN DAMN SATU IANDA BAIK 28750 BENTONG, PAHANG
DARUL MAKMUR MALAYSIA

Mtl Dsg	Mark Dsg	Coating Type		ANSI Typ	Temp Class
		BC	OC		
Estersol 160	E180	Polyesterimide (solderable)	—	MW-77	180
Amldester 200	A200	Polyesterimide	—	MW-74	200
Polysol-N 155	PN155	Polyurethane	Nylon	MW-80,	155,
				MW-28	100
Polysol 155	P155	Polyurethane	—	MW-79,	155,
				MW-79	130
Polysol 155g	Pg155	Polyurethane	—	MW-79	130
Polysol 155p	Pp155,Gp155	Polyurethane	—	MW-79	155
Polysol 160	P160	Polyurethane	—	MW-79	155
Polysol 180	P180	Polyurethane	—	MW-79	155
Polysol 170	P170 or G170	Polyurethane	—	MW-79	156
Polysol-N 180	PN180	Polyurethane	Nylon	—	180

Marking : Company name/nateriel designation or marked designation and factory identification on package ok reel

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