

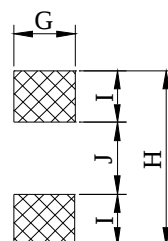
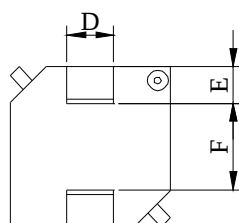
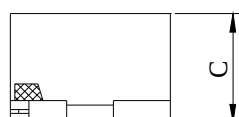
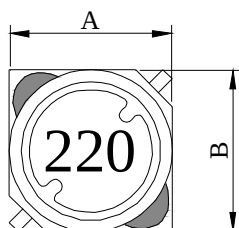
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PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS7032□□□□L□-□□□
		ABC'S ITEM NO.	

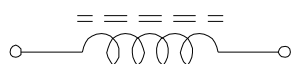
I . MECHANICAL DIMENSIONS :



A :	7.00±0.3	m/m
B :	7.00±0.3	m/m
C :	3.20±0.2	m/m
D :	2.00 typ	m/m
E :	1.50 typ.	m/m
F :	4.00 typ.	m/m
G :	2.40 ref	m/m
H :	7.80 ref	m/m
I :	1.80 ref	m/m
J :	4.20 ref	m/m

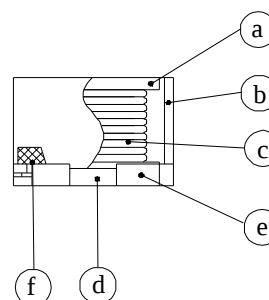
(PCB Pattern)

II . SCHEMATIC DIAGRAM :

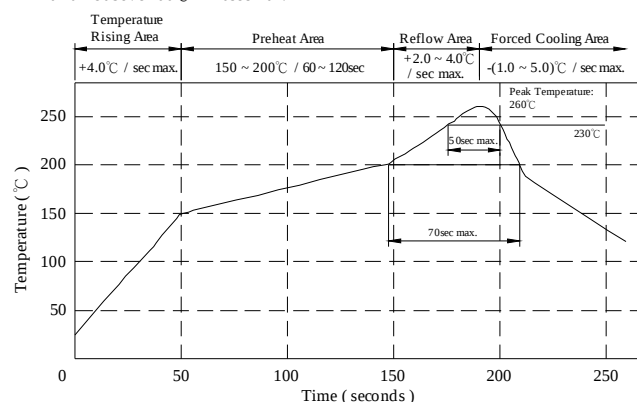


III . MATERIALS LIST :

- a . Core : Ferrite DR core
- b . Core : Ferrite RI core
- c . Wire : Enamelled copper wire (class F)
- d . Terminal : Cu/Ni/Sn
- e . Base : LCP Base
- f . Adhesive : Epoxy resin
- 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 . ELECTRICAL CHARACTERISTICS :

- a . Temp. rise : 30°C max.
- b . Storage temp. : -40°C ----+125°C
- c . Operating temp. : -25°C ----+105°C
- d . Resistance to solder heat : 260°C . 10 secs.

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PROD.	SHIELDED SMD	ABC'S DWG NO.	SS7032□□□□L□-□□□
NAME	POWER INDUCTOR	ABC'S ITEM NO.	

V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (uH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	Irms (A)	Isat (A)
SS70323R3ML□-□□□	3.3±20%	16	7.96	55.0	0.027	2.40	2.20
SS70324R7ML□-□□□	4.7±20%	16	7.96	43.0	0.042	2.00	2.00
SS70326R8ML□-□□□	6.8±20%	17	7.96	37.0	0.054	1.60	1.80
SS7032100ML□-□□□	10.0±20%	25	2.52	35.0	0.068	1.40	1.60
SS7032150ML□-□□□	15.0±20%	22	2.52	32.0	0.095	1.10	1.20
SS7032220ML□-□□□	22.0±20%	20	2.52	29.0	0.135	0.96	1.05
SS7032330ML□-□□□	33.0±20%	23	2.52	20.0	0.200	0.76	0.86
SS7032470ML□-□□□	47.0±20%	26	2.52	18.0	0.270	0.67	0.70
SS7032680ML□-□□□	68.0±20%	22	2.52	16.0	0.380	0.60	0.67
SS7032101ML□-□□□	100.0±20%	28	0.796	12.0	0.540	0.45	0.50
SS7032151ML□-□□□	150.0±20%	35	0.796	10.0	0.800	0.37	0.38
SS7032221ML□-□□□	220.0±20%	47	0.796	7.5	1.300	0.30	0.32
SS7032331ML□-□□□	330.0±20%	46	0.796	6.1	1.900	0.22	0.24
SS7032471ML□-□□□	470.0±20%	34	0.796	5.1	2.400	0.20	0.20
SS7032681ML□-□□□	680.0±20%	58	0.796	3.8	3.750	0.16	0.15
SS7032102ML□-□□□	1000.0±20%	120	0.252	3.1	5.400	0.15	0.14

1). □ : Packaging Information... ☐ Bulk ☐ Taping Reel

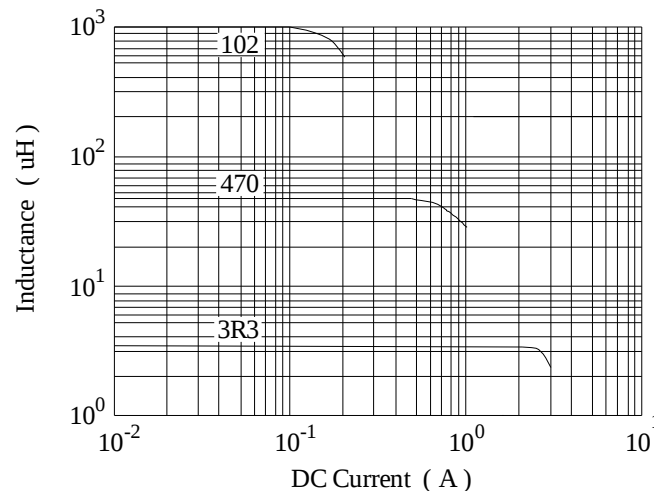
2). "-□□□":Reference code

3). L Test Freq. : 1KHz / 0.5V

4). Irms base on Temp. rise 30°C max.

5). Isat base on $\Delta L/L0A=10\%$ typ.

@ Inductance VS. DC Superposition Characteristics



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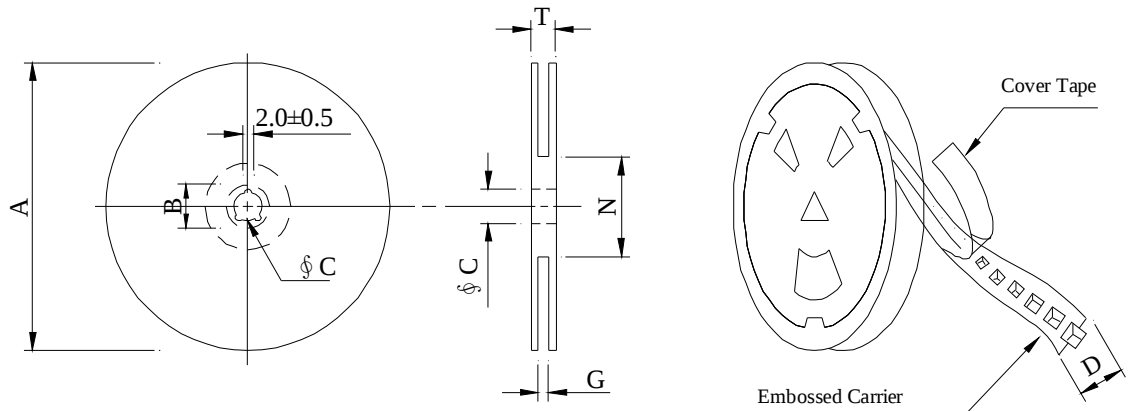
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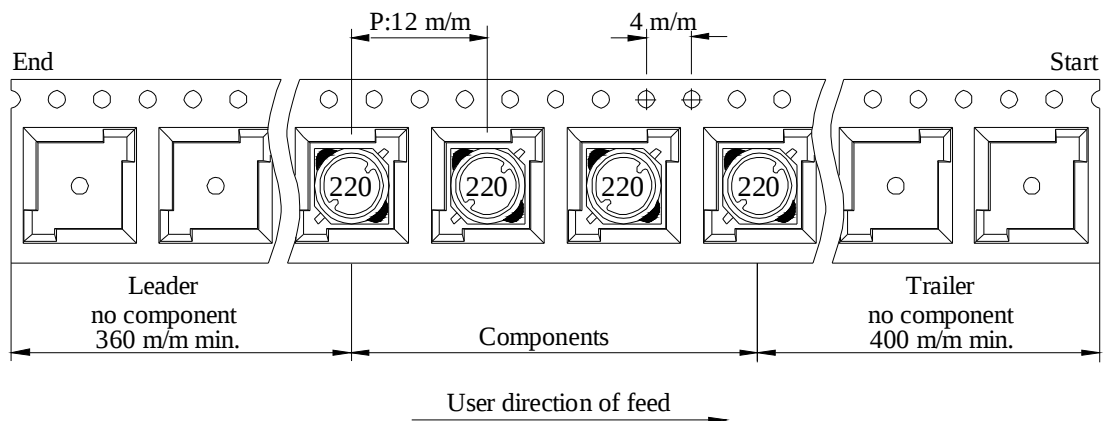
PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS7032□□□□L□-□□□
		ABC'S ITEM NO.	

VI . PACKAGING INFORMATION :

(1) Configuration



※Carrier Tape Width : D



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
13 - 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)
SS7032	1,500	200	13 - 16	9,000	1.44	40 x 40 x 24
SS7032	1,000	135	13 - 16	6,000	0.96	40 x 40 x 24

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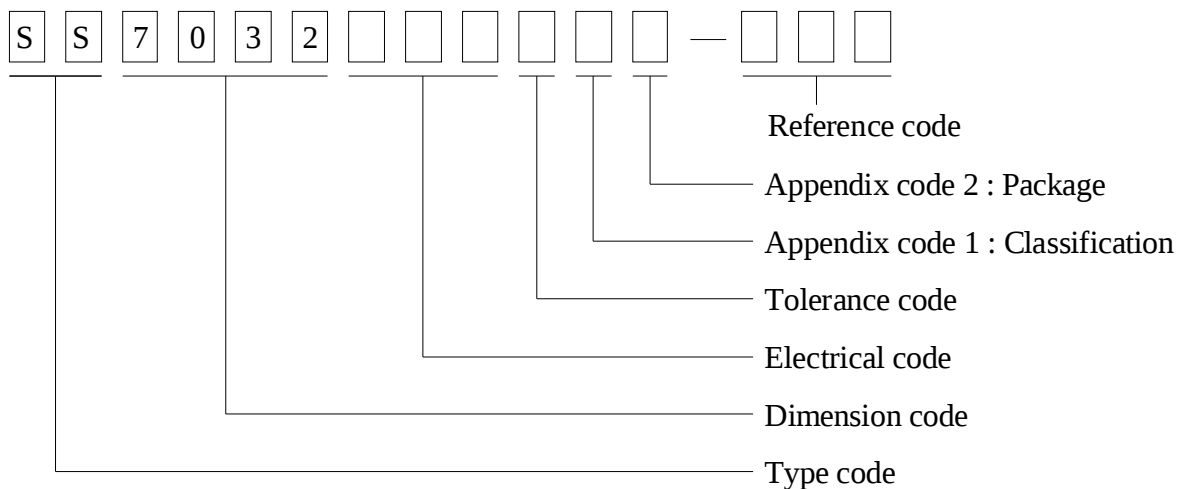
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PROD.	SHIELDED SMD	ABC'S DWG NO.	SS7032□□□□L□-□□□
NAME	POWER INDUCTOR	ABC'S ITEM NO.	

VII . DWGING NUMBER EXPRESSION :



Appendix code 1 : Product Classification

L : 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 Q'TY	Remark
A	T.B.D.	T.B.D.	
B	T / R (Reel package)	1500 pcs	
C	T / R (Reel package)	1000 pcs	

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PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SS7032□□□□L□-□□□
		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℃ / 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. 15 minutes → -25 ℃ 30 minutes Room temp. 15 minutes → +105 ℃ 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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PROD.	SHIELDED SMD	ABC'S DWG NO.	SS7032□□□□L□-□□□
NAME	POWER INDUCTOR	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
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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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 LZL.
LZ - Signifies magne 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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OBMW2/E174837
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PROD.	SHIELDED SMD	ABC'S DWG NO.	SS7032□□□□L□-□□□
NAME	POWER INDUCTOR	ABC'S ITEM NO.	

SUMITOMO CHEMICAL CO LTD										E54705 (M)		
5-33 KITAHAMA 4-CHOME CHUO-KO, OSAKA JAPAN												
		Min	UL94		RTI		H	H	H	D		
Mtl Dsg	Col	Thk	Flame	Elec	Mech	w/o	W	A	V	4	C	
		mm	Class		with	Imp	I	I	T	9	T	I
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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