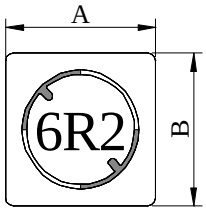
SPECIFICATION FOR APPROVAL

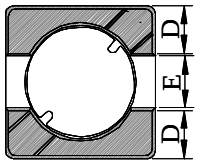
REF : 20091008-B

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SH6022□□□□L□-□□□
		ABC'S ITEM NO.	

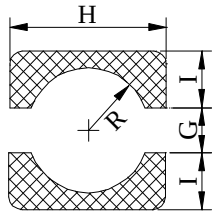
Ⅰ．CONFIGURATION & DIMENSIONS：



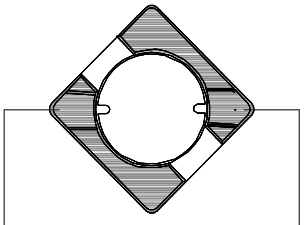




A	:	6.80±0.2	m/m
B	:	6.80±0.2	m/m
C	:	2.30±0.2	m/m
D	:	2.30 typ.	m/m
E	:	2.20 typ.	m/m
G	:	2.10 ref.	m/m
H	:	7.30 ref.	m/m
I	:	2.60 ref.	m/m
R	:	2.70 ref.	m/m

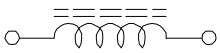


(PCB Pattern suggestion)



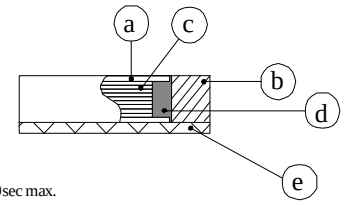
LCR Meter

Ⅱ．SCHEMATIC DIAGRAM：



Ⅲ．MATERIALS：

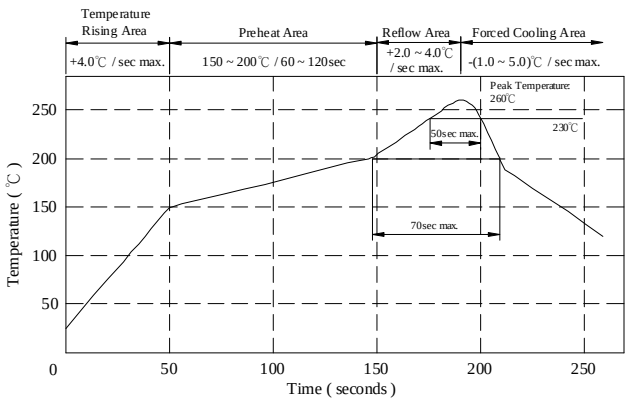
a．Core：Ferrite DR core
b．Core：Ferrite RI core
c．Wire ：Enamelled copper wire (Class F & H)
d．Adhesive ：Epoxy resin
e．Terminal：Ag/Ni/Sn
f．Remark：Products comply with RoHS' requirements



Ⅳ．GENERAL SPECIFICATION：

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

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



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SPECIFICATION FOR APPROVAL

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SH6022□□□□L□-□□□
		ABC'S ITEM NO.	

V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μH)	SRF (MHz) typ.	RDC (mΩ) typ.	RDC (mΩ) max.	Irms (mA) max.	Isat (mA) typ.
SH6022R90YL□ -□□□	0.9 ±30%	108.0	10.0	14.0	4800	4400
SH60221R5YL□ -□□□	1.5 ±30%	79.0	13.0	18.0	4300	3500
SH60222R2YL□ -□□□	2.2 ±30%	68.0	16.0	24.0	3400	2600
SH60223R3YL□ -□□□	3.3 ±30%	52.0	19.0	32.0	2800	2200
SH60225R0YL□ -□□□	5.0 ±30%	48.0	36.0	46.0	2150	2000
SH60226R2YL□ -□□□	6.2 ±30%	45.0	41.0	54.0	1900	1700
SH60227R5YL□ -□□□	7.5 ±30%	38.0	46.0	60.0	1700	1500
SH6022100YL□ -□□□	10.0 ±30%	30.0	52.0	70.0	1600	1300
SH6022120YL□ -□□□	12.0 ±30%	32.0	62.0	80.0	1430	1150
SH6022150YL□ -□□□	15.0 ±30%	30.0	73.0	95.0	1310	1050
SH6022180YL□ -□□□	18.0 ±30%	29.0	78.0	100.0	1280	1000
SH6022220YL□ -□□□	22.0 ±30%	23.0	85.0	120.0	1220	950
SH6022270YL□ -□□□	27.0 ±30%	19.0	118.0	150.0	1040	850
SH6022330YL□ -□□□	33.0 ±30%	19.0	137.0	200.0	930	780
SH6022390YL□ -□□□	39.0 ±30%	20.0	202.0	250.0	760	700
SH6022470YL□ -□□□	47.0 ±30%	18.0	223.0	280.0	730	620
SH6022560YL□ -□□□	56.0 ±30%	15.0	257.0	320.0	680	560
SH6022680YL□ -□□□	68.0 ±30%	14.0	292.0	360.0	640	500
SH6022820YL□ -□□□	82.0 ±30%	11.0	328.0	420.0	600	450
SH6022101YL□ -□□□	100.0 ±30%	9.8	358.0	480.0	550	400
SH6022121YL□ -□□□	120.0 ±30%	9.8	455.0	600.0	480	360
SH6022151YL□ -□□□	150.0 ±30%	9.3	583.0	720.0	430	320
SH6022181YL□ -□□□	180.0 ±30%	8.6	664.0	860.0	400	280
SH6022221YL□ -□□□	220.0 ±30%	6.9	820.0	1100.0	360	250
SH6022271YL□ -□□□	270.0 ±30%	6.4	948.0	1300.0	340	220
SH6022331YL□ -□□□	330.0 ±30%	6.0	1192.0	1500.0	290	200
SH6022391YL□ -□□□	390.0 ±30%	5.5	1311.0	1800.0	275	180
SH6022471YL□ -□□□	470.0 ±30%	5.0	1713.0	2200.0	240	170
SH6022561YL□ -□□□	560.0 ±30%	4.9	1909.0	2700.0	225	160
SH6022681YL□ -□□□	680.0 ±30%	4.0	2497.0	3500.0	190	150
SH6022821YL□ -□□□	820.0 ±30%	3.4	3315.0	4000.0	172	140
SH6022102YL□ -□□□	1000.0 ±30%	3.3	3827.0	5000.0	160	130

1). □ : Packaging Information.. □A : Bulk □B : Taping Reel

2)."-□□□ ":Reference code

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

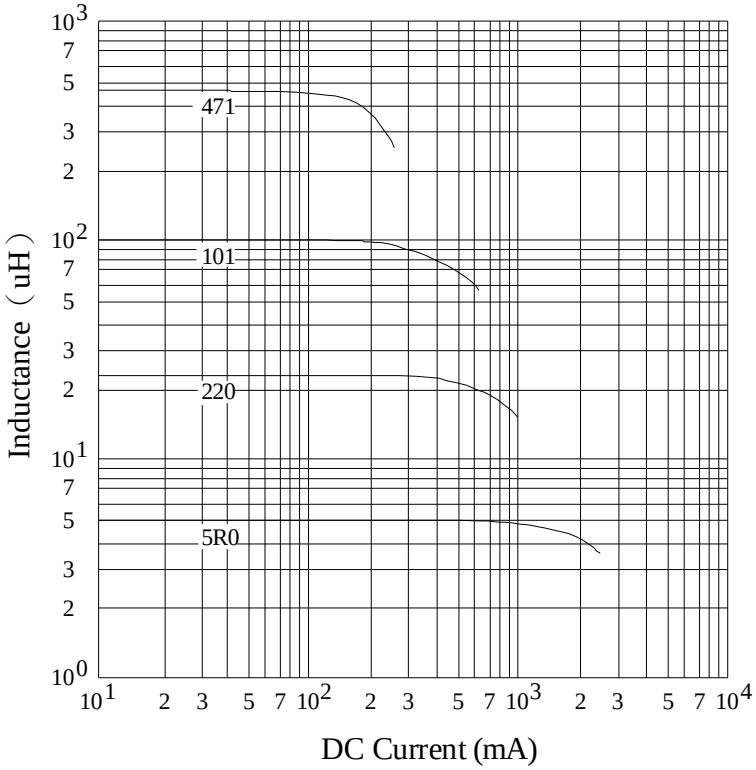
4). Irms base on Temp. rise 30℃ max.

5). Isat base on △L/L0A＝35% typ.

SPECIFICATION FOR APPROVAL

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SH6022□□□□L□-□□□
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Ⅵ．INDUCTANCE VS. DC CURRENT CURVE：



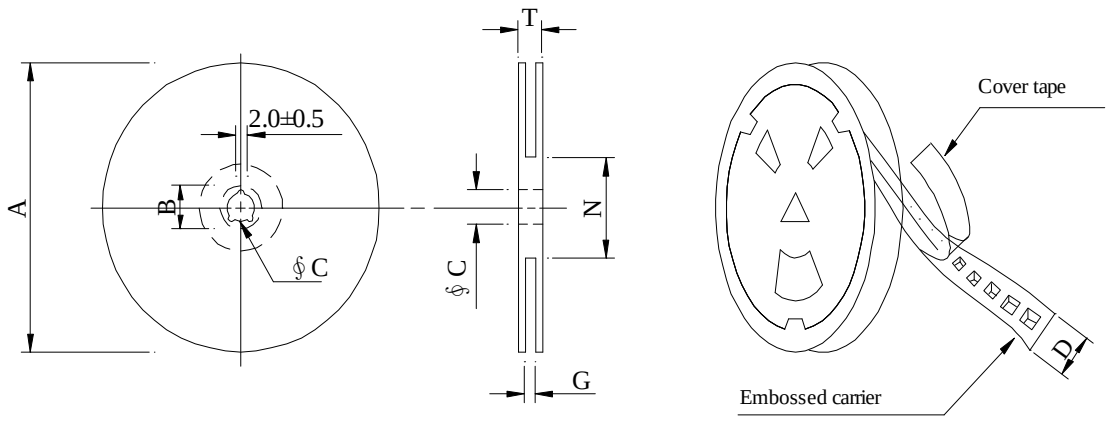
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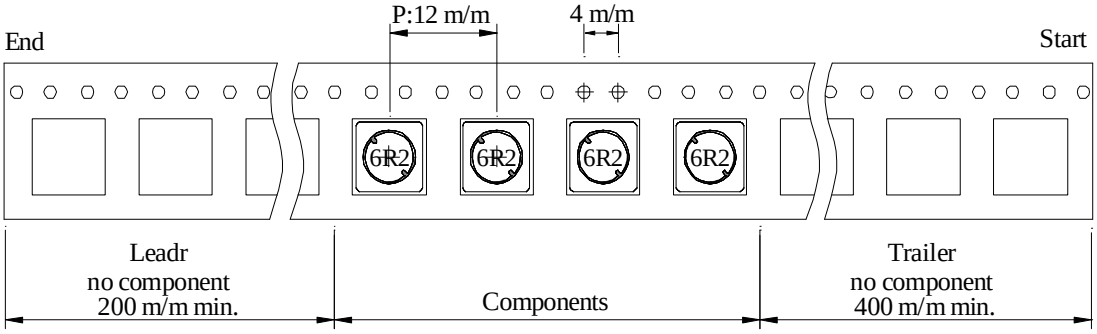
PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SH6022□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅶ．PACKAGING INFORMATION：

(1) Configuration



※Carrier tape width : D



User direction of feed

(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
07 - 16	178	21±0.8	13	16	18^{+0}	50^{-0}	20.5
13 - 16	330	21±0.8	13±0.5	16	18^{+0}	50^{-0}	22.4

(3) Q'TY & G.W. Per package

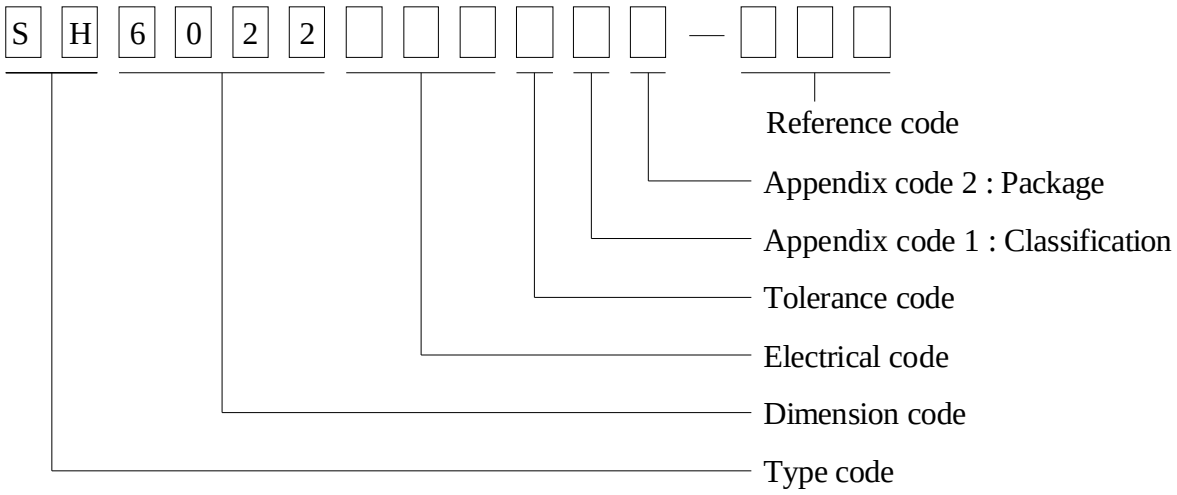
Series	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (gw)	Style	Q'TY (pcs)	G.W. (Kg)	Size (cm)
SH6022	500	230	07 - 16	15,000	8.20	42 x 41 x 24
SH6022	1,500	950	13 - 16	9,000	12.00	40 x 40 x 24

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		ABC'S ITEM NO.	

Ⅷ．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)	500 pcs	
C	T / R (Reel package)	1500 pcs	

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SPECIFICATION FOR APPROVAL

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		ABC'S ITEM NO.	

Ⅸ . 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 → -40 ℃ / 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

SPECIFICATION FOR APPROVAL

PROD. NAME	SHIELDED SMD POWER INDUCTOR	ABC'S DWG NO.	SH6022□□□□L□-□□□
		ABC'S ITEM NO.	

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	Coat Typ 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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A not-for-profit organization dedicated to public safety and committed to quality service

Mtl Dsg	Mark Dsg	Coat Typ 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 magned 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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September 8 , 2000