

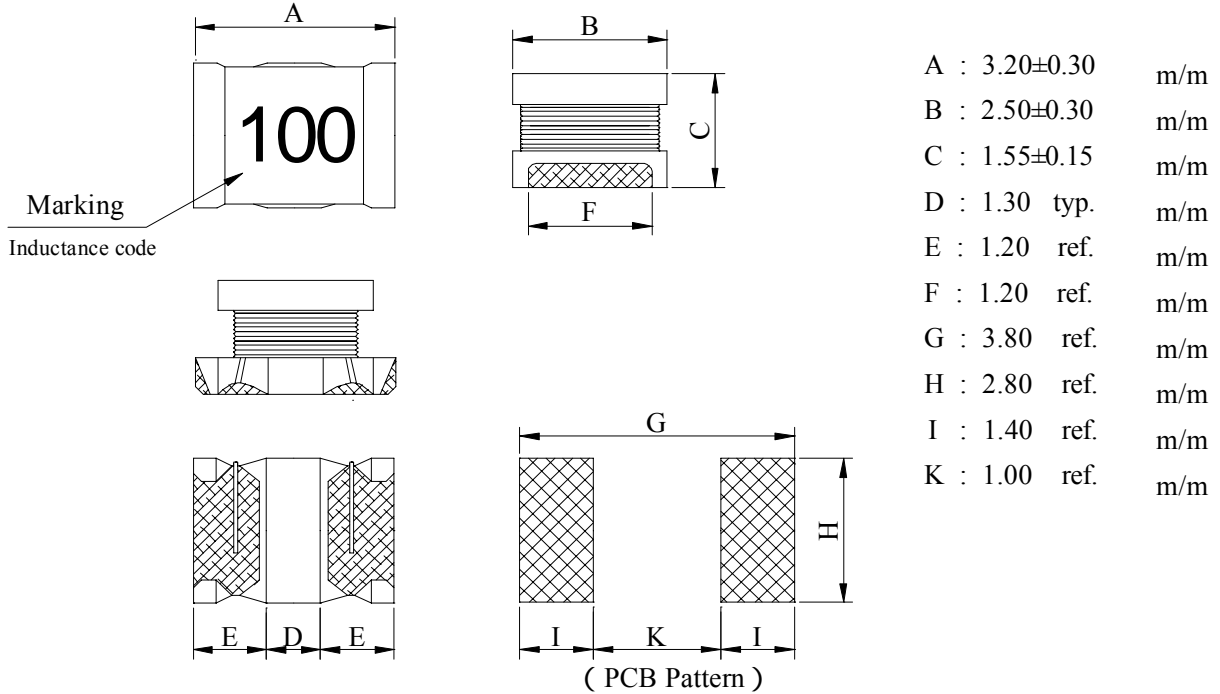
# SPECIFICATION FOR APPROVAL

REF :

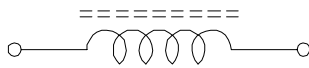
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO. ABC'S ITEM NO.	SQ3226□□□□L□-□□□
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**. MECHANICAL DIMENSIONS :**

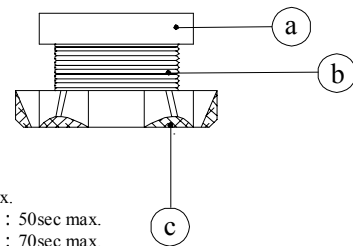


**. SCHEMATIC DIAGRAM :**



**. MATERIALS LIST :**

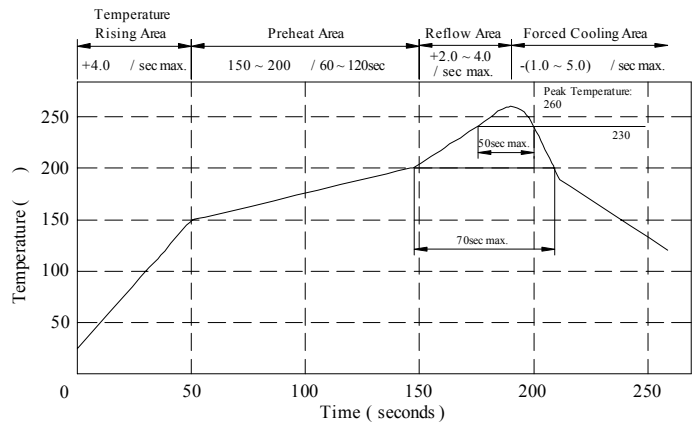
- a . Core : Ferrite core
- b . Wire : Enamelled copper wire (class F)
- c . Terminal : Ag/Ni/Sn
- d . Remark : Products comply with RoHS' requirements



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

**. GENERAL SPECIFICATION :**

- a . Temp. rise : 20 max.
- b . Storage temp. : -40 ----+125
- c . Operating temp. : -25 ----+105
- d . Rated current :  
 Base on temp. rise & L / LOA=10% typ.
- e . Resistance to solder heat : 260 .10 secs.



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# SPECIFICATION FOR APPROVAL

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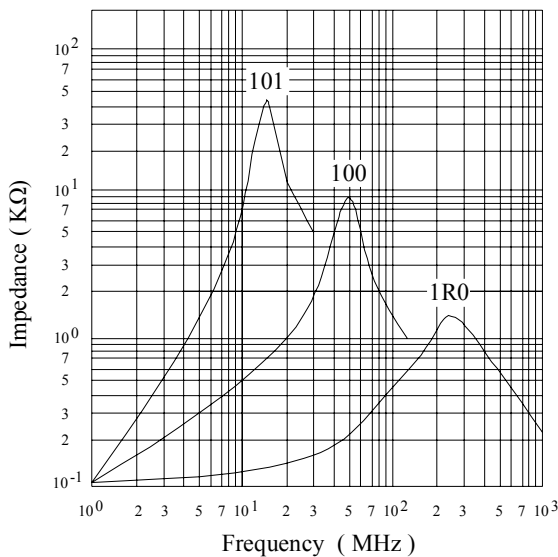
PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SQ3226□□□□L□-□□□
		ABC'S ITEM NO.	

. ELECTRICAL CHARACTERISTICS :

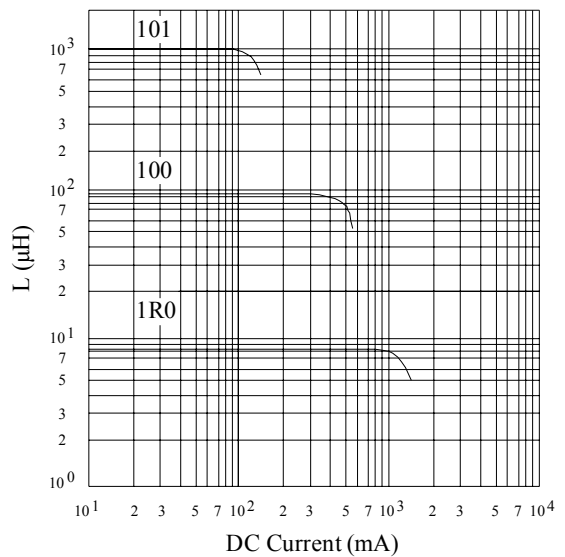
DWG No.	Inductance ( $\mu$ H)	SRF (MHz) min.	RDC ( $\Omega$ ) max.	IDC (mA)
SQ32261R0ML□-□□□	1.0 $\pm$ 20%	100.0	0.078	1000
SQ32262R2ML□-□□□	2.2 $\pm$ 20%	63.0	0.126	790
SQ32264R7ML□-□□□	4.7 $\pm$ 20%	43.0	0.195	650
SQ3226100KL□-□□□	10.0 $\pm$ 10%	26.0	0.390	450
SQ3226150KL□-□□□	15.0 $\pm$ 10%	26.0	0.754	300
SQ3226220KL□-□□□	22.0 $\pm$ 10%	19.0	0.923	250
SQ3226330KL□-□□□	33.0 $\pm$ 10%	17.0	1.430	200
SQ3226470KL□-□□□	47.0 $\pm$ 10%	15.0	1.690	170
SQ3226680KL□-□□□	68.0 $\pm$ 10%	12.0	2.860	130
SQ3226101KL□-□□□	100.0 $\pm$ 10%	10.0	4.550	100

- 1) . Inductance Test Freq. : 1MHz / 0.1V
- 2) . "- □□□ " : Reference code
- 3) . IDC base on Temp. rise 20 max. & L / LOA=10% typ.

@ Impedance vs. Frequency



@ Inductance vs. DC Current curve.



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# SPECIFICATION FOR APPROVAL

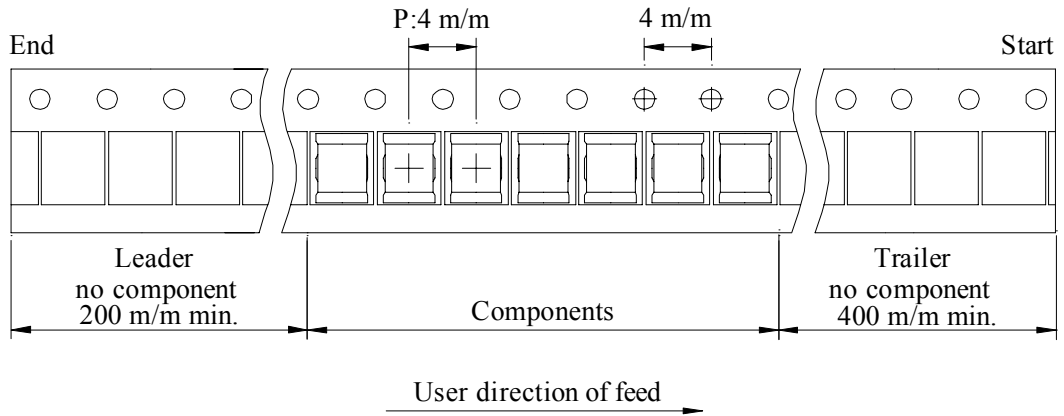
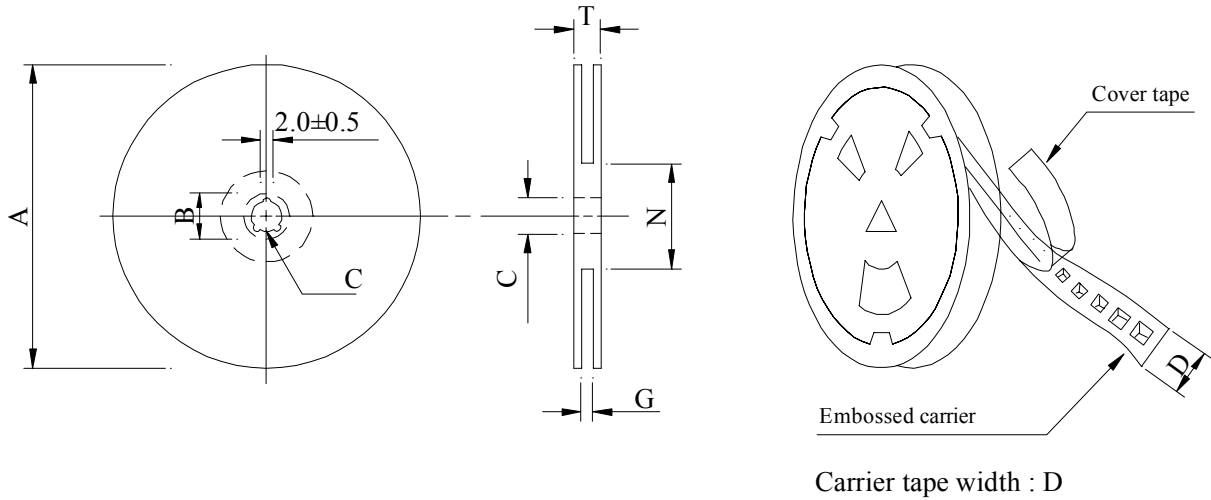
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		ABC'S ITEM NO.	

**. PACKAGING INFORMATION :**

( 1 ) Configuration



( 2 ) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
07 - 08	178	21±0.8	13	8	10 <sup>+0</sup>	50 <sup>-0</sup>	12.5

( 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)
SQ3226	2,000	220	07 - 08	100,000	15.00	42 x 41 x 24

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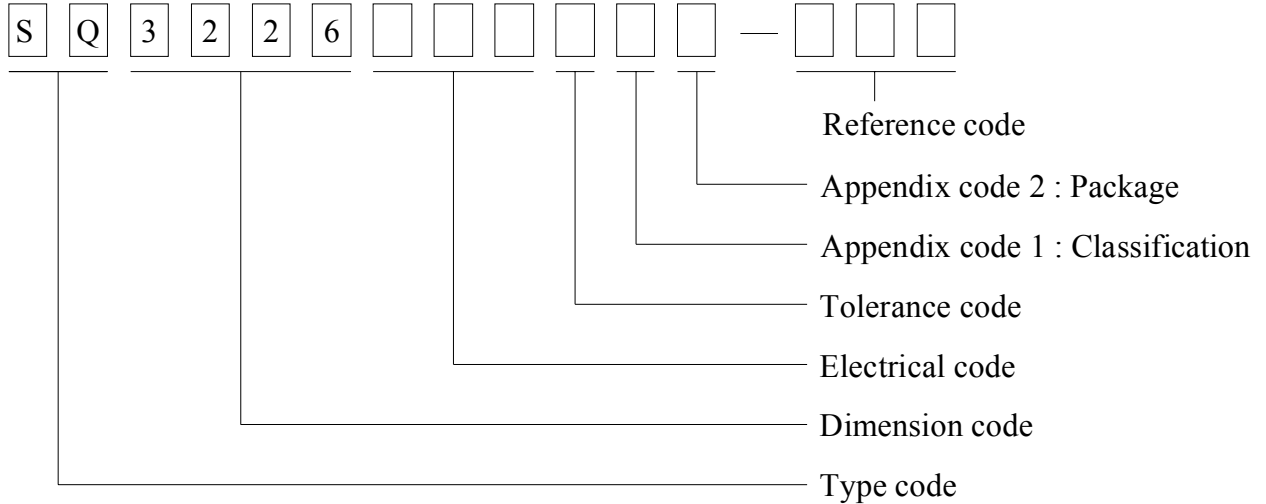
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. DWGING NUMBER EXPRESSION :



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 )	2,000 pcs	

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**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="border: none;">Room temp.</td> <td style="border: none; text-align: center;">—————▶</td> <td style="border: none; text-align: center;">-25±2</td> </tr> <tr> <td style="border: none;">15 minutes</td> <td style="border: none;"></td> <td style="border: none;">30 minutes</td> </tr> <tr> <td colspan="3" style="border: none;"> </td> </tr> <tr> <td style="border: none;">Room temp.</td> <td style="border: none; text-align: center;">—————▶</td> <td style="border: none; text-align: center;">85±2</td> </tr> <tr> <td style="border: none;">15 minutes</td> <td style="border: none;"></td> <td style="border: none;">30 minutes</td> </tr> </table> <p>Total : 50 cycles</p>	Room temp.	—————▶	-25±2	15 minutes		30 minutes				Room temp.	—————▶	85±2	15 minutes		30 minutes
Room temp.	—————▶	-25±2															
15 minutes		30 minutes															
Room temp.	—————▶	85±2															
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.	SQ3226□□□□L□-□□□
		ABC'S ITEM NO.	

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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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 - 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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