

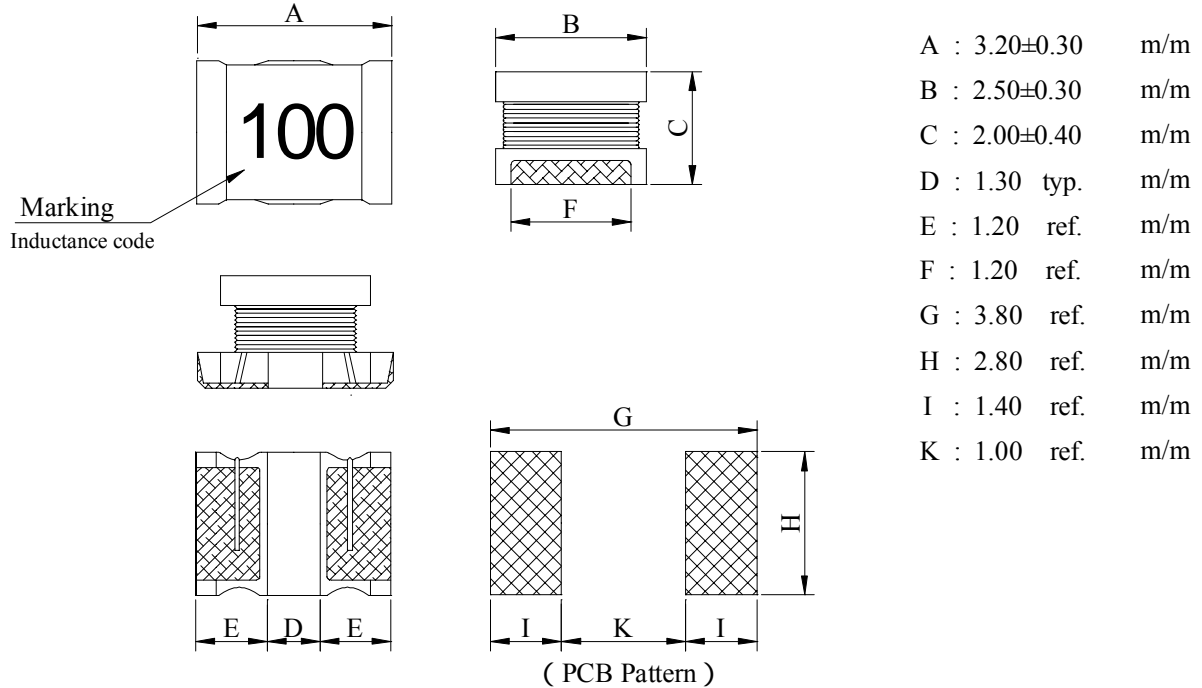
SPECIFICATION FOR APPROVAL

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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO. ABC'S ITEM NO.	SQ3225□□□□2□-□□□
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. MECHANICAL DIMENSIONS :

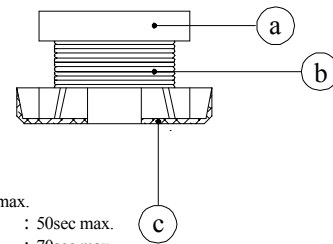


. SCHEMATIC DIAGRAM :



. MATERIALS LIST :

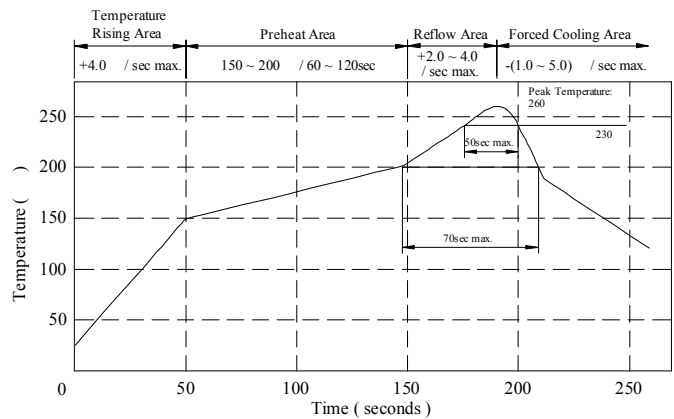
- a . Core : Ferrite core
- b . Wire : Enamelled copper wire (class F)
- c . Terminal : Ag/Ni/Sn
- d . Remark : Products comply with RoHS' requirements



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 (Irms) :
 Current cause inductance drop within 10%
- e . Resistance to solder heat : 260 .10 secs.



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. ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μH)	Test Freq (Hz) L	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
SQ32251R0M2□-□□□	1.00 ± 20%	1M	100.0	0.50	445
SQ32251R2M2□-□□□	1.20 ± 20%	1M	100.0	0.60	425
SQ32251R5M2□-□□□	1.50 ± 20%	1M	75.0	0.60	400
SQ32251R8M2□-□□□	1.80 ± 20%	1M	60.0	0.70	390
SQ32252R2M2□-□□□	2.20 ± 20%	1M	50.0	0.80	370
SQ32252R7M2□-□□□	2.70 ± 20%	1M	43.0	0.90	320
SQ32253R3M2□-□□□	3.30 ± 20%	1M	38.0	1.00	300
SQ32253R9M2□-□□□	3.90 ± 20%	1M	35.0	1.10	290
SQ32254R7M2□-□□□	4.70 ± 20%	1M	31.0	1.20	270
SQ32255R6M2□-□□□	5.60 ± 20%	1M	28.0	1.30	250
SQ32256R8M2□-□□□	6.80 ± 20%	1M	25.0	1.50	240
SQ32258R2M2□-□□□	8.20 ± 20%	1M	23.0	1.60	225
SQ3225100K2□-□□□	10.00 ± 10%	1M	20.0	1.80	190
SQ3225120K2□-□□□	12.00 ± 10%	1M	18.0	2.00	180
SQ3225150K2□-□□□	15.00 ± 10%	1M	16.0	2.20	170
SQ3225180K2□-□□□	18.00 ± 10%	1M	15.0	2.50	165
SQ3225220K2□-□□□	22.00 ± 10%	1M	14.0	2.80	150
SQ3225270K2□-□□□	27.00 ± 10%	1M	13.0	3.10	125
SQ3225330K2□-□□□	33.00 ± 10%	1M	12.0	3.50	115
SQ3225390K2□-□□□	39.00 ± 10%	1M	11.0	3.90	110
SQ3225470K2□-□□□	47.00 ± 10%	1M	11.0	4.30	100
SQ3225560K2□-□□□	56.00 ± 10%	1M	10.0	4.90	85
SQ3225680K2□-□□□	68.00 ± 10%	1M	9.0	5.50	80
SQ3225820K2□-□□□	82.00 ± 10%	1M	8.5	6.20	70
SQ3225101K2□-□□□	100.00 ± 10%	1M	8.0	7.00	80
SQ3225121K2□-□□□	120.00 ± 10%	1M	7.5	8.00	75
SQ3225151K2□-□□□	150.00 ± 10%	1M	7.0	9.30	70
SQ3225181K2□-□□□	180.00 ± 10%	1M	6.0	10.20	65
SQ3225221K2□-□□□	220.00 ± 10%	1M	5.5	11.80	65
SQ3225271K2□-□□□	270.00 ± 10%	1M	5.0	12.50	65
SQ3225331K2□-□□□	330.00 ± 10%	1M	5.0	13.00	65
SQ3225391K2□-□□□	390.00 ± 10%	1M	5.0	22.00	50
SQ3225471K2□-□□□	470.00 ± 10%	1K	5.0	25.00	45
SQ3225561K2□-□□□	560.00 ± 10%	1K	5.0	28.00	40

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

2) "- □□□□ " : Reference code

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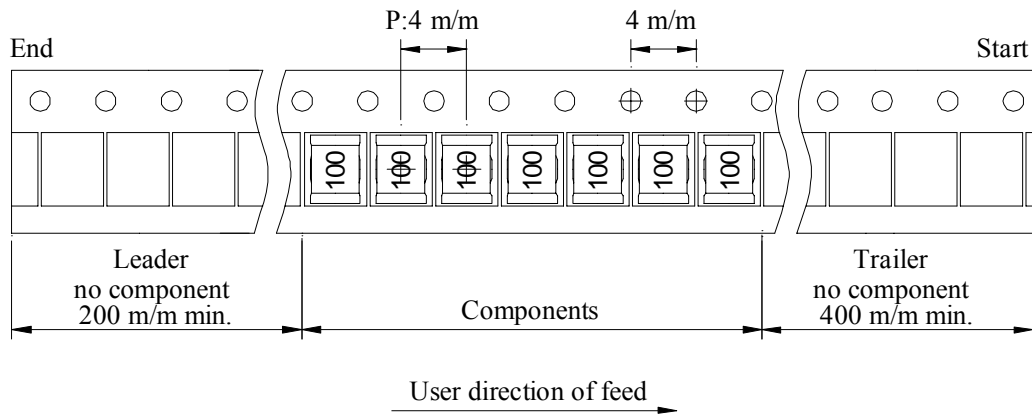
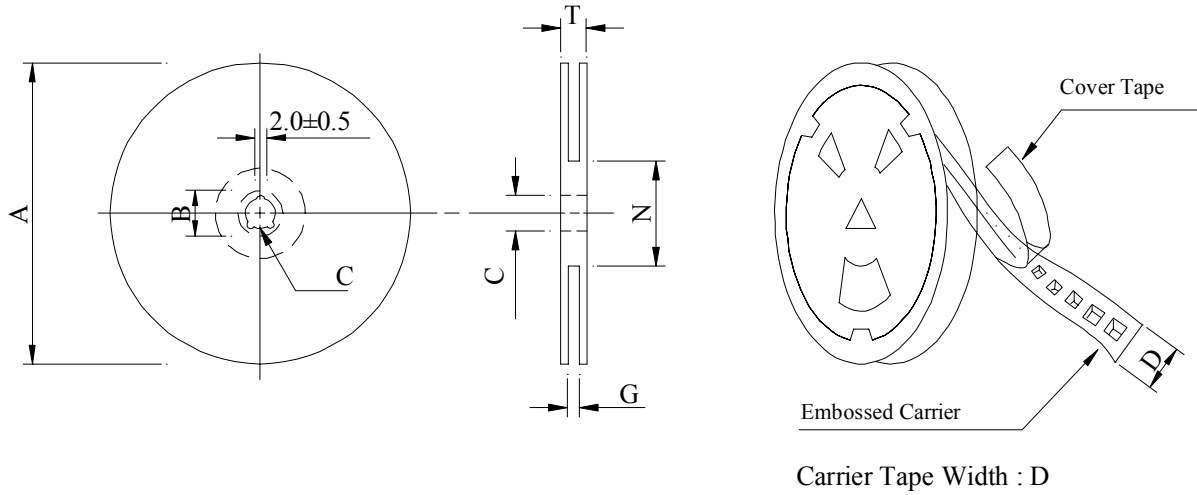
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PACKAGING INFORMATION :

(1) Configuration



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
07 - 08	178	21±0.8	13	8	10 ⁺⁰	50 ⁻⁰	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)
SQ3225	2,000	220	07 - 08	100,000	15.0	42 x 41 x 24

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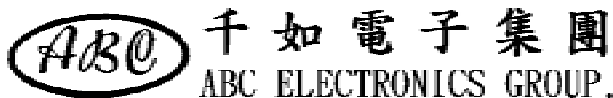
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. RELIABILITY TEST :

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 ±10%	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Room temp.</td> <td style="text-align: center;">—————▶</td> <td style="text-align: center;">-25±2</td> </tr> <tr> <td style="text-align: center;">15 minutes</td> <td></td> <td style="text-align: center;">30 minutes</td> </tr> <tr> <td style="text-align: center;">Room temp.</td> <td style="text-align: center;">—————▶</td> <td style="text-align: center;">85±2</td> </tr> <tr> <td style="text-align: center;">15 minutes</td> <td></td> <td style="text-align: center;">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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. 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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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 magened wires twisted together; EL - signifies base coated magnet wire laid parallel with top coat applied overall; LZL - signi-
 fies 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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