

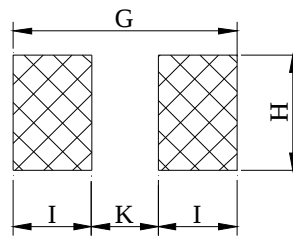
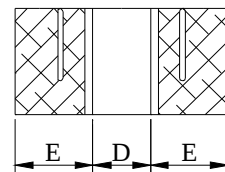
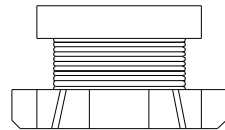
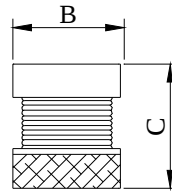
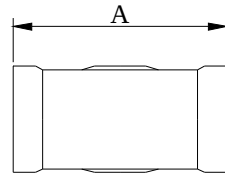
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SQ3216□□□□3□-□□□
		ABC'S ITEM NO.	

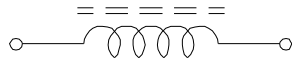
I . MECHANICAL DIMENSIONS :



(PCB Pattern)

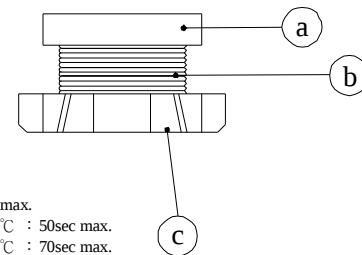
A	: 3.20±0.30	m/m
B	: 1.60±0.30	m/m
C	: 1.85±0.30	m/m
D	: 1.10 typ.	m/m
E	: 0.90 min.	m/m
G	: 3.80 ref.	m/m
H	: 2.00 ref.	m/m
I	: 1.50 ref.	m/m
K	: 0.80 ref.	m/m

II . SCHEMATIC DIAGRAM :



III . MATERIALS LIST :

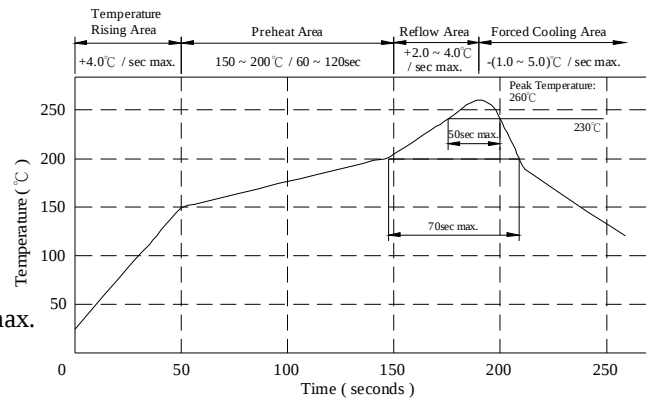
- a . Core : Ferrite core
- b . Wire : Enamelled copper wire (class F)
- c . Terminal : Ag/Ni/Sn
- d . Remark : Products comply with RoHS' requirements



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

IV . GENERAL SPECIFICATION :

- a . Temp. rise : 40°C max.
- b . Storage temp. : -40°C ----+125°C
- c . Operating temp. : -40°C ----+105°C
- d . Rated current (I_{rms}) :
Current cause inductance drop within 10% max.
- e . Resistance to solder heat : 260°C .10 secs.



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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SQ3216□□□□3□-□□□
		ABC'S ITEM NO.	

V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μ H)	Test Freq (Hz) L	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
SQ3216R12M3□-□□□	0.12±20%	1K	250.0	0.112	970
SQ3216R22M3□-□□□	0.22±20%	1K	250.0	0.140	850
SQ3216R33M3□-□□□	0.33±20%	1K	300.0	0.160	800
SQ3216R47M3□-□□□	0.47±20%	1K	180.0	0.210	700
SQ32161R0M3□-□□□	1.00±20%	1K	100.0	0.392	510
SQ32162R2M3□-□□□	2.20±20%	1K	50.0	0.574	430
SQ32164R7M3□-□□□	4.70±20%	1K	31.0	0.910	340
SQ3216100K3□-□□□	10.00±10%	1K	20.0	1.820	230
SQ3216220K3□-□□□	22.00±10%	1K	14.0	4.200	160
SQ3216270K3□-□□□	27.00±10%	1K	13.0	4.500	150
SQ3216470K3□-□□□	47.00±10%	1K	10.0	11.200	100
SQ3216101K3□-□□□	100.00±10%	1K	7.0	16.800	80

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

2). "- □□□ " : Reference code



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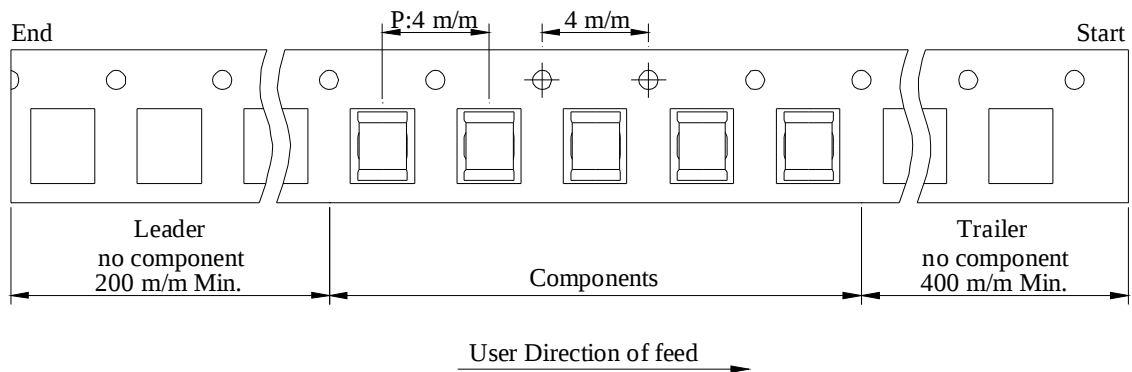
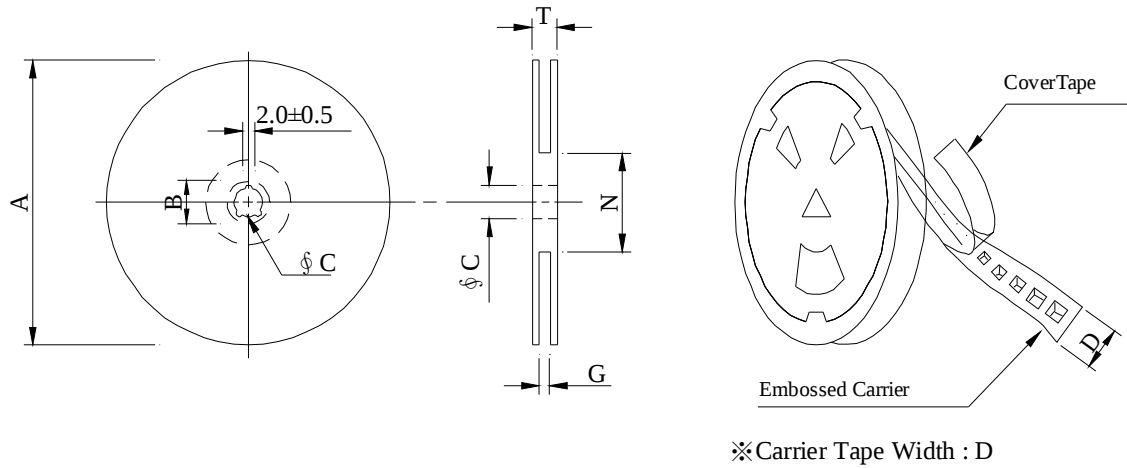
REF :

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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SQ3216□□□□3□-□□□
		ABC'S ITEM NO.	

VI . 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)
SQ3216	2,000	80	07 - 08	100,000	7.50	42 x 41 x 24

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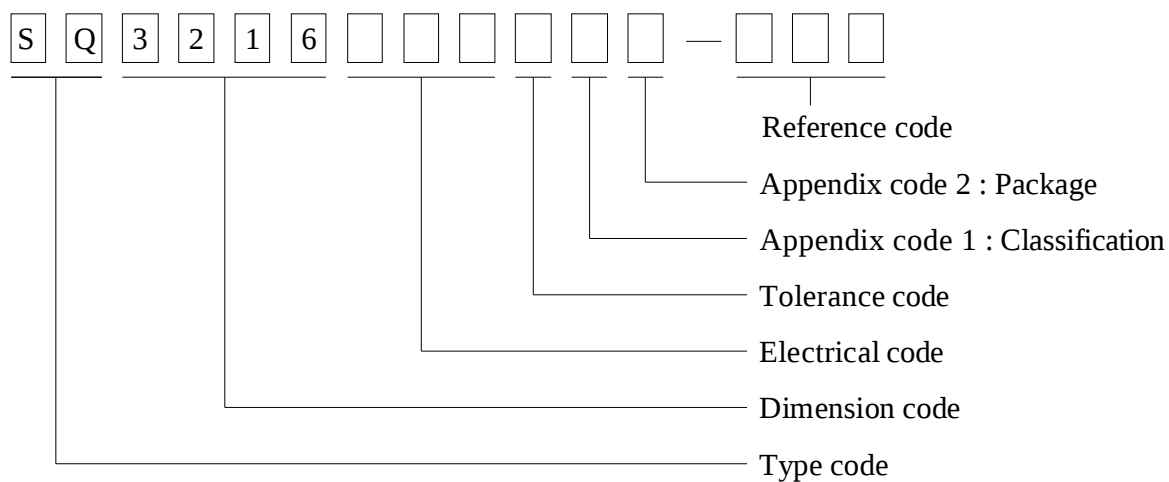
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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SQ3216□□□□3□-□□□
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VII . DWGING NUMBER EXPRESSION :



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)	2000 pcs	

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PROD. NAME	SMD POWER INDUCTOR	ABC'S DWG NO.	SQ3216□□□□3□-□□□
		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. → -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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		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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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 magnd 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  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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