

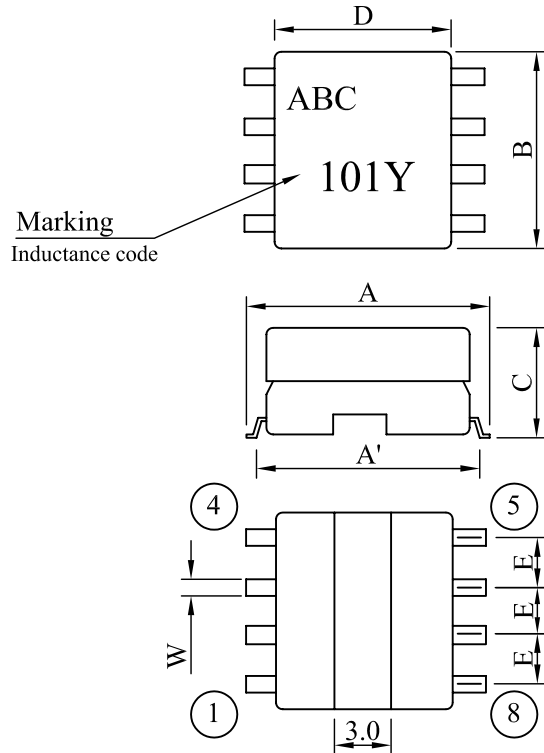
SPECIFICATION FOR APPROVAL

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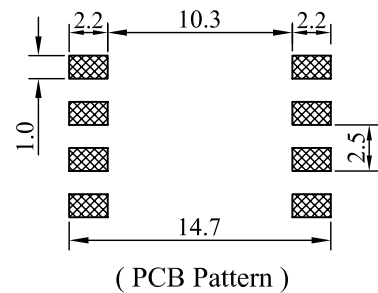
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PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1306□□□□2□-□□□
		ABC'S ITEM NO.	

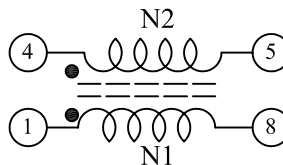
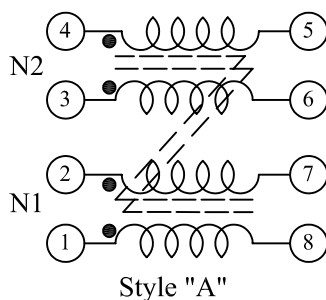
I . CONFIGURATION & DIMENSIONS :



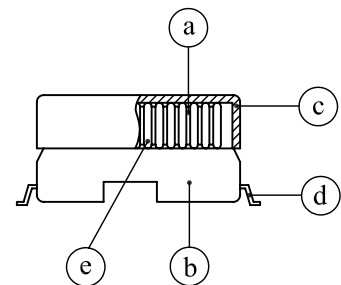
A :	12.7 ±0.8	m / m
A' :	11.0 ±0.5	m / m
B :	10.5 max.	m / m
C :	5.75±0.3	m / m
D :	9.50±0.2	m / m
E :	2.50±0.2	m / m
W :	0.70±0.1	m / m



II . SCHEMATIC DIAGRAM :



Style "B"



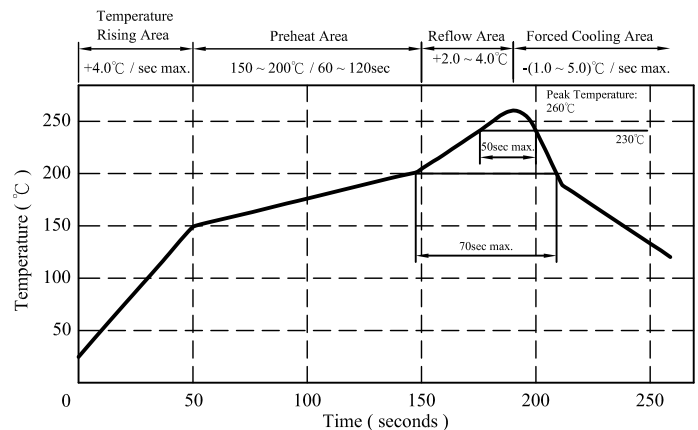
III . MATERIALS :

- a . Core : Ferrite Toroidal core
- b . Base : LCP
- c . Case : LCP
- d . Terminal : Cu/Ni/Sn
- e . Wire : Enamelled copper wire (Class F)
- f . Remark : Products comply with RoHS' requirements

IV . GENERAL SPECIFICATION :

- a . Storage temp . : -40℃ ----+85℃
- b . Operating temp . : -40℃ ----+80℃
- c . 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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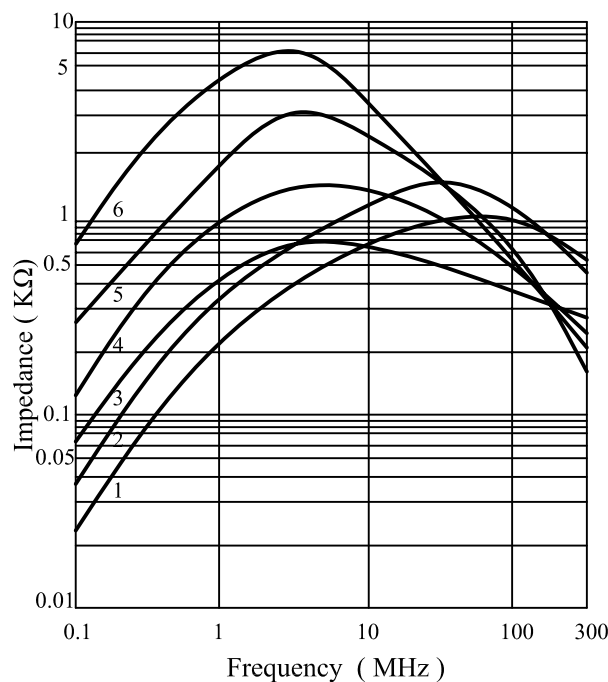
V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (uH) 0.1 V , 100 KHz		DC Resistance N1 , N2 (Ω)	Rated current (A)	HI-POT Test	Impedance (Ω)	Freq. range (MHz)	Style
	L1 , L2	L1-L2						
SF1306350Y2□-□□□	35±35%	4 max.	0.035 max.	2.70 max.	500 Vac 60 Hz 3 mA 1 Minute	400 min.	5 ~ 250	B
SF1306600Y2□-□□□	60±35%	5 max.	0.065 max.	2.00 max.		600 min.	5 ~ 100	B
SF1306101Y2□-□□□	100±35%	15 max.	0.100 max.	0.70 max.		300 min.	1 ~ 50	A
SF1306251Y2□-□□□	250±35%	25 max.	0.150 max.	0.60 max.		600 min.	1 ~ 40	A
SF1306501Y2□-□□□	500±35%	35 max.	0.300 max.	0.40 max.		1200 min.	1 ~ 40	A
SF1306102Y2□-□□□	1000±35%	45 max.	0.400 max.	0.35 max.		2200 min.	0.5 ~ 10	A

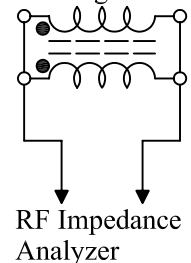
- 1). □ : Packaging information ... [A]: Taping Reel
- 2). "-□□□":Reference code
- 3). Temp. rise : 45°C max. at rated current
- 4). Test equipment : HP-4194A

VI . IMPEDANCE VS . FREQUENCY :

- 6 : SF1306102Y
5 : SF1306501Y
4 : SF1306251Y
3 : SF1306101Y
2 : SF1306600Y
1 : SF1306350Y



Measuring Circuit :



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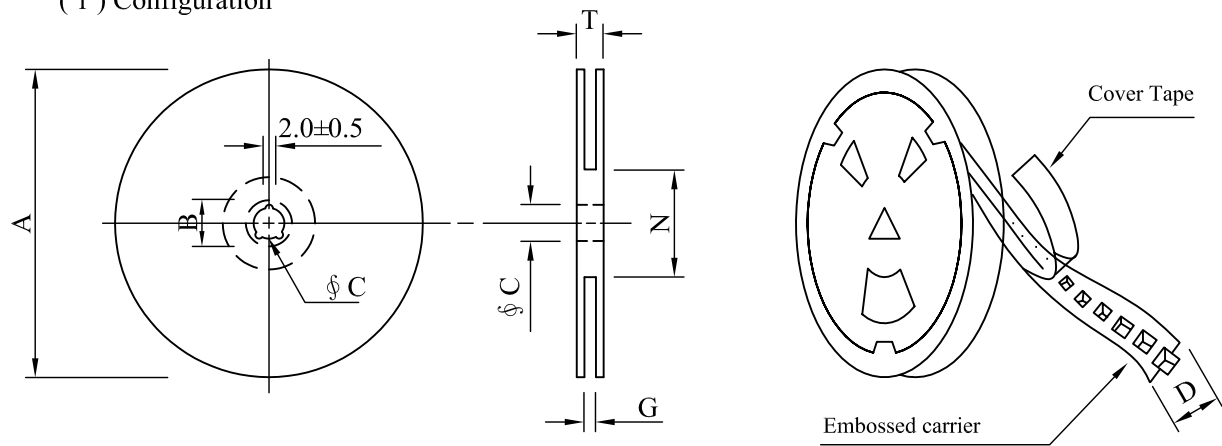
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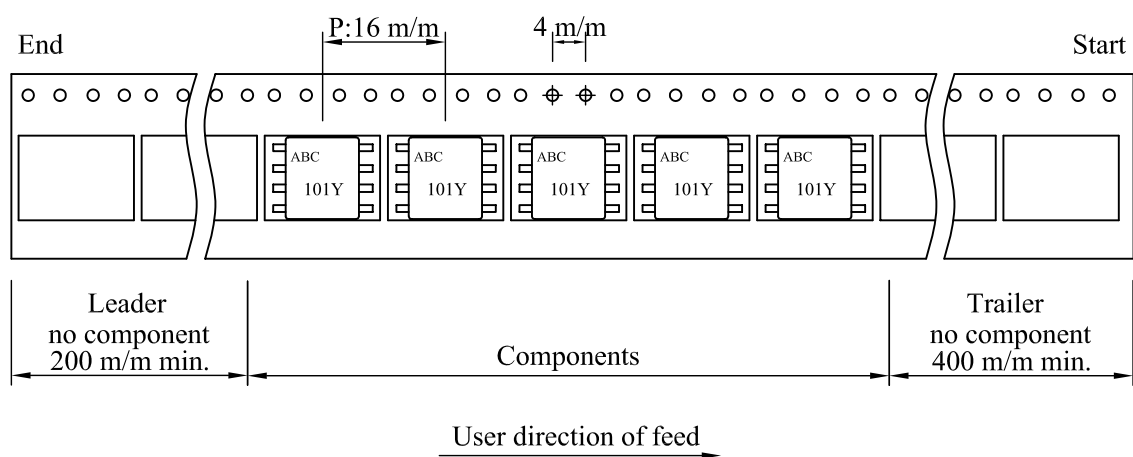
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		ABC'S ITEM NO.	

VII . PACKAGING INFORMATION :

(1) Configuration



※Carrier tape width : D



(2) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
13 - 24	330	21±0.8	13±0.5	24	26 ⁺⁰	50 ⁻⁰	30.4

(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)
SF1306	600	700	13 - 24	2,400	6.5	40 x 40 x 24

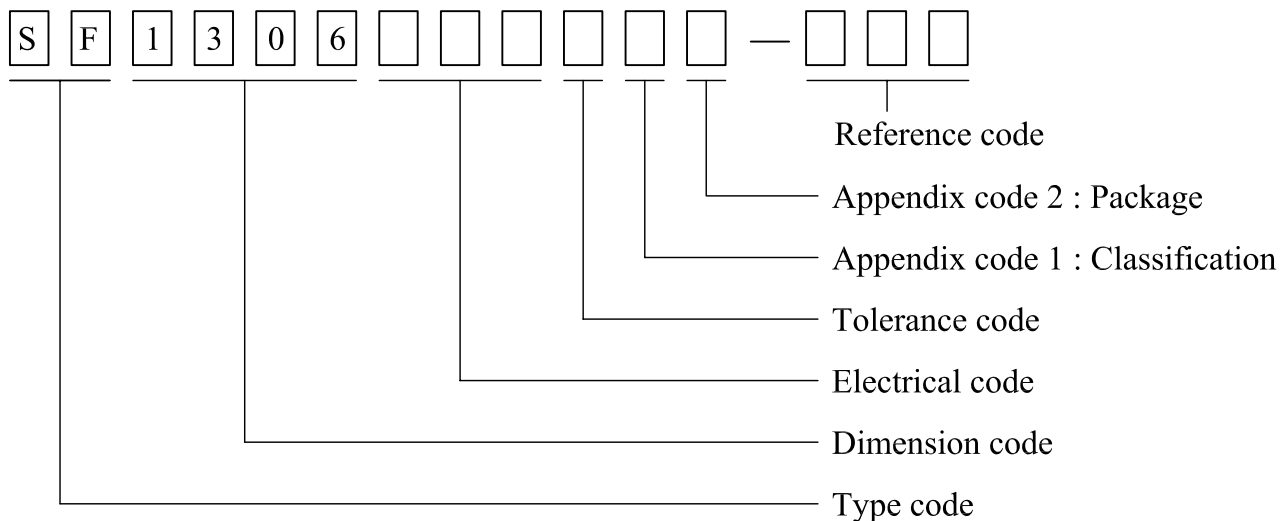
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VIII . DWGING NUMBER EXPRESSION :



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 / R (Reel Package)	600 pcs	

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IX . 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 ± 30%	Room temp. → -25±2 ℃ 15 minutes 30 minutes Room temp. → 85±2 ℃ 15 minutes 30 minutes Total : 50 cycles
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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NAME		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	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 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 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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