

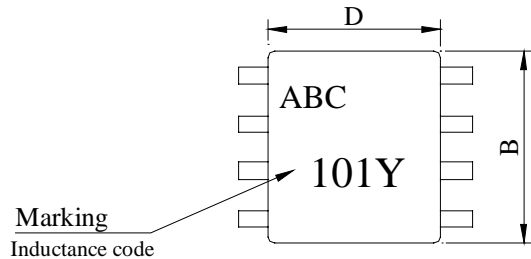
# SPECIFICATION FOR APPROVAL

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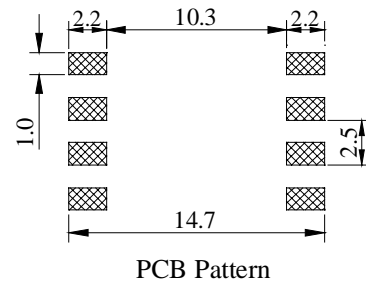
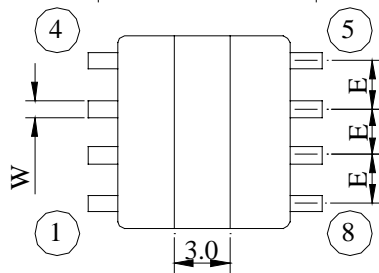
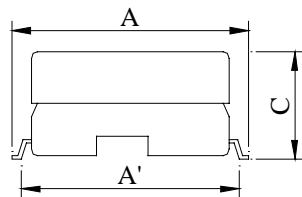
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PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1306□□□□2□
		ABC'S ITEM NO.	

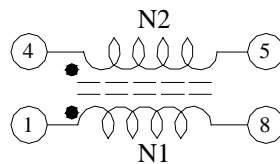
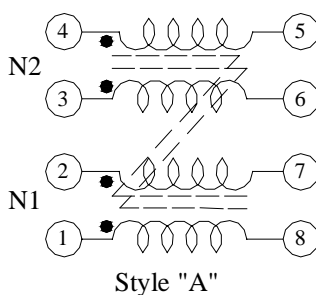
## I . CONFIGURATION & DIMENSIONS :



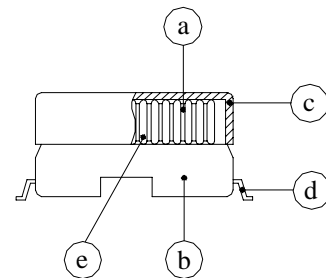
A :	12.7 ±0.8	m / m
A' :	11.0 ±0.5	m / m
B :	10.5 max.	m / m
C :	5.75±0.3	m / m
D :	9.50±0.2	m / m
E :	2.50±0.2	m / m
W :	0.70±0.1	m / m



## II . SCHEMATIC DIAGRAM :



Style "B"



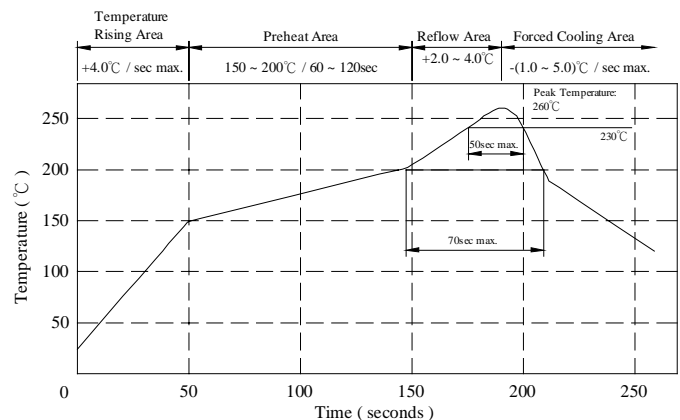
## III . MATERIALS :

- 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 : Lead content 200ppm max.  
include ferrite

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

## IV . GENERAL SPECIFICATION :

- a . Storage temp . : -40°C ----+85°C
- b . Operating temp . : -40°C ----+80°C
- c . Resistance to solder heat : 260°C. 10 secs.



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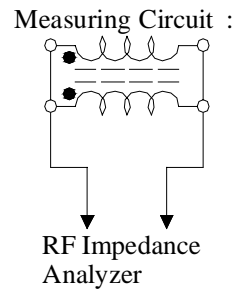
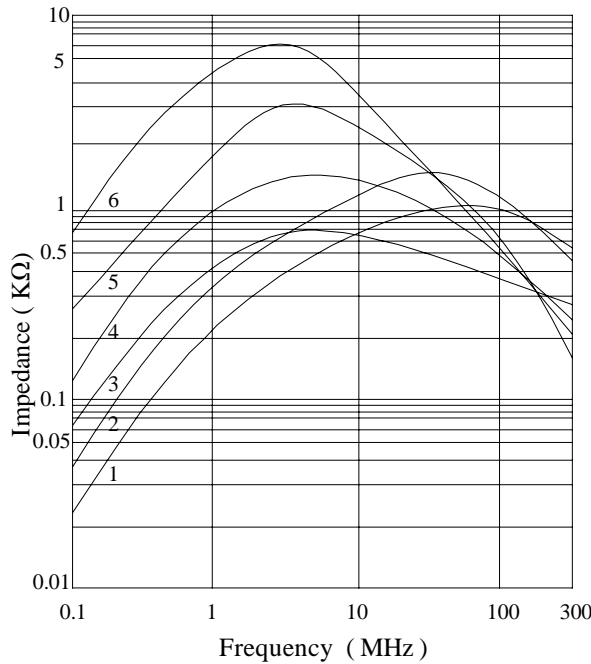
## V . ELECTRICAL CHARACTERISTICS :

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). Temp. rise : 45°C max. at rated current
- 3). Test equipment : HP-4194A

## VI . IMPEDANCE VS . FREQUENCY :

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



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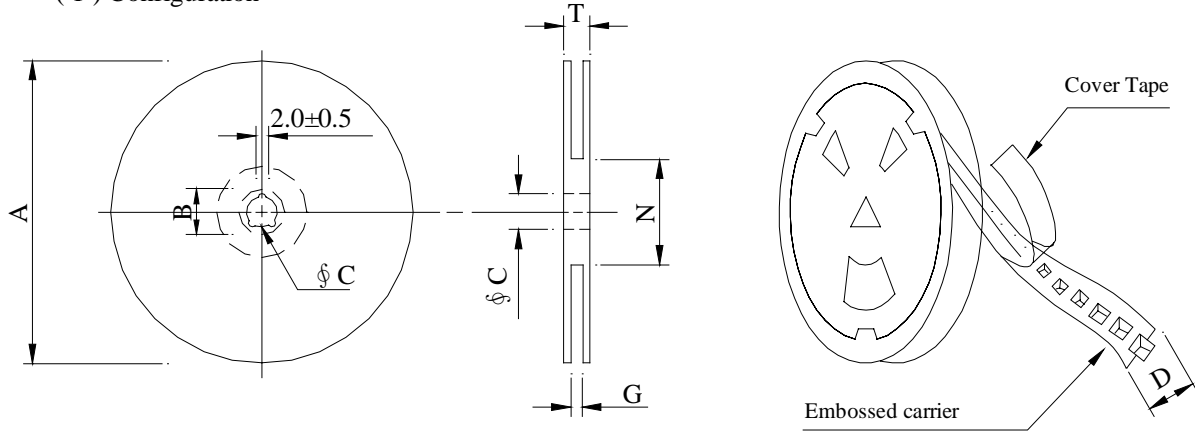
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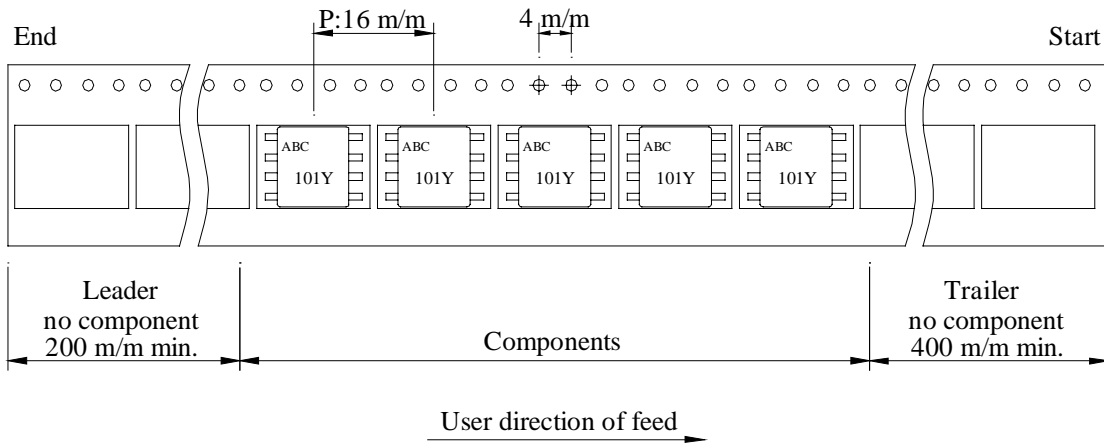
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**VII . PACKAGING INFORMATION :**

( 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 <sup>+0</sup>	50 <sup>-0</sup>	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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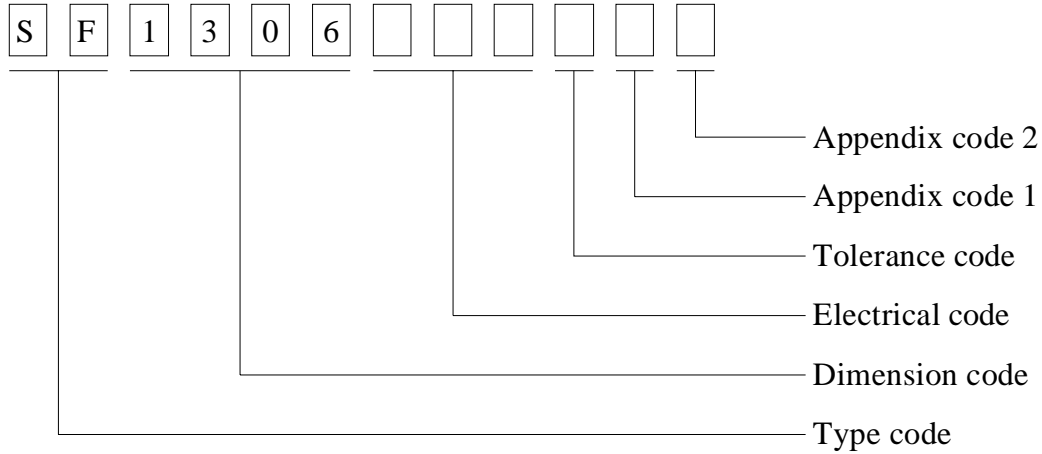
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**VIII . DWG EXPRESSION :**



Appendix code 1 : S : Standard products

A~K , M~R , T~Z : Special products

L : Standard Lead Free products

1 ~ 9 : Special Lead Free products

Appendix code 2 :

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°C for 60 seconds Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent Solder temp. : 235±5°C Flux : Rosin Dip time : 4±1 seconds															
Thermal shock test ( Temp. cycle )	Inductance shall not change more than ± 30%	<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 °C</td> </tr> <tr> <td style="text-align: center;">15 minutes</td> <td></td> <td style="text-align: center;">30 minutes</td> </tr> <tr> <td colspan="3"> </td> </tr> <tr> <td style="text-align: center;">Room temp.</td> <td style="text-align: center;">—————▶</td> <td style="text-align: center;">85±2 °C</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 °C	15 minutes		30 minutes				Room temp.	—————▶	85±2 °C	15 minutes		30 minutes
Room temp.		—————▶	-25±2 °C														
15 minutes			30 minutes														
Room temp.	—————▶	85±2 °C															
15 minutes		30 minutes															
Humidity Resistance test	Temperature : 40±2°C Humidity : 90 ~ 95% Applied current : Per spec. Time : 500 hours																
High temp. Resistance test	Temperature : 105±2°C Applied current : Per spec. Time : 500 hours																

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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 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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September 8, 2000

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