

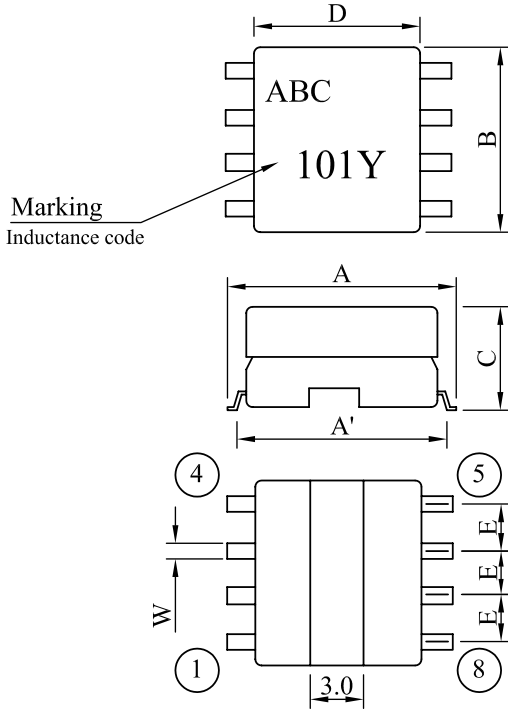
SPECIFICATION FOR APPROVAL

REF :

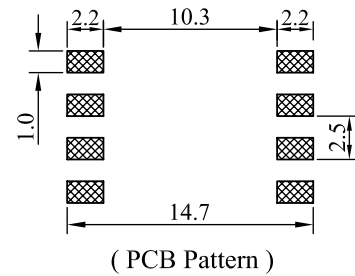
PAGE: 1

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

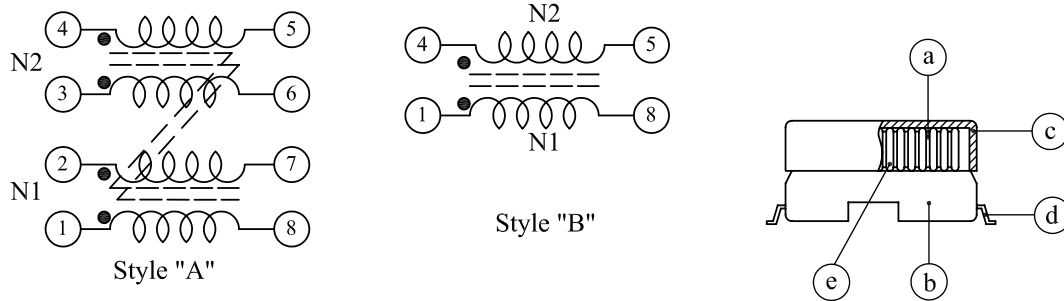
I . CONFIGURATION & DIMENSIONS :



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



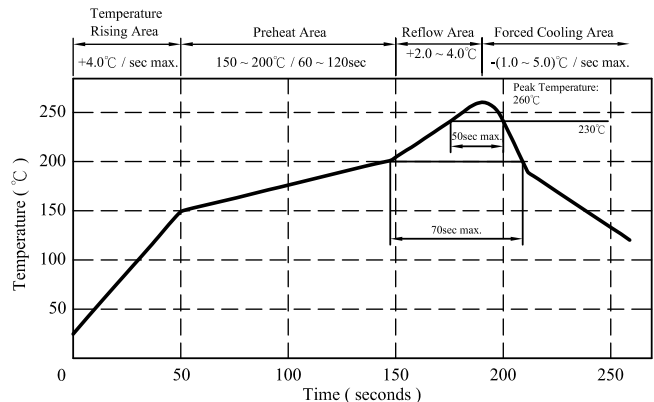
II . SCHEMATIC DIAGRAM :



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

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.

AR-001A



SPECIFICATION FOR APPROVAL

REF :

PAGE: 2

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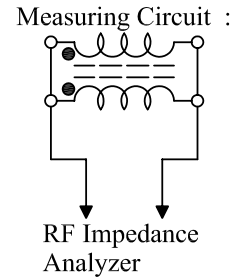
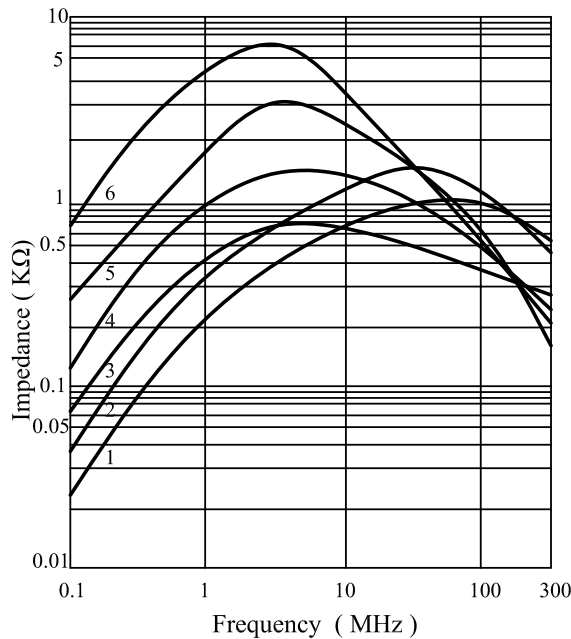
V . ELECTRICAL CHARACTERISTICS :

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



AR-001A



SPECIFICATION FOR APPROVAL

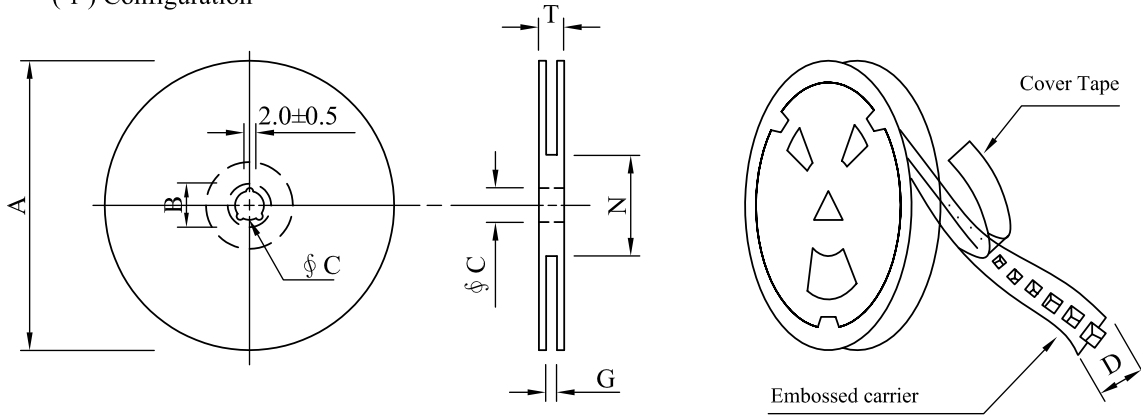
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PAGE: 3

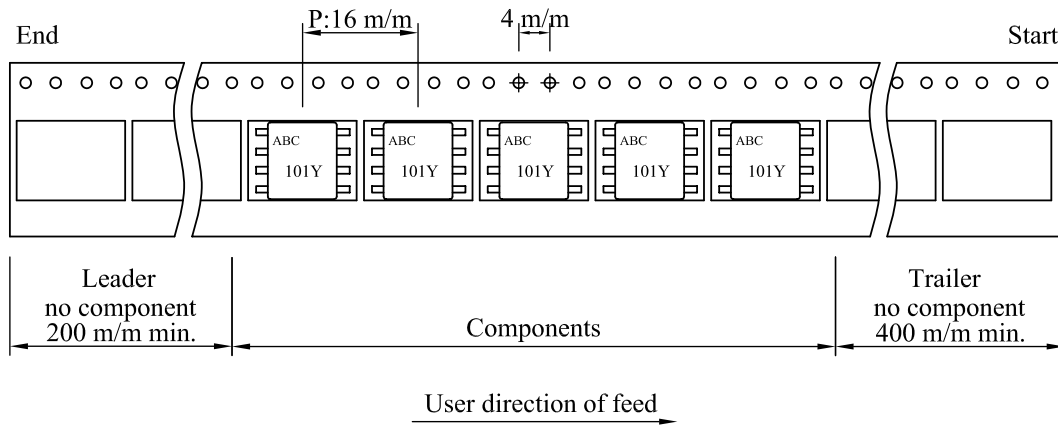
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VII . PACKAGING INFORMATION :

(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 ⁺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

AR-001A



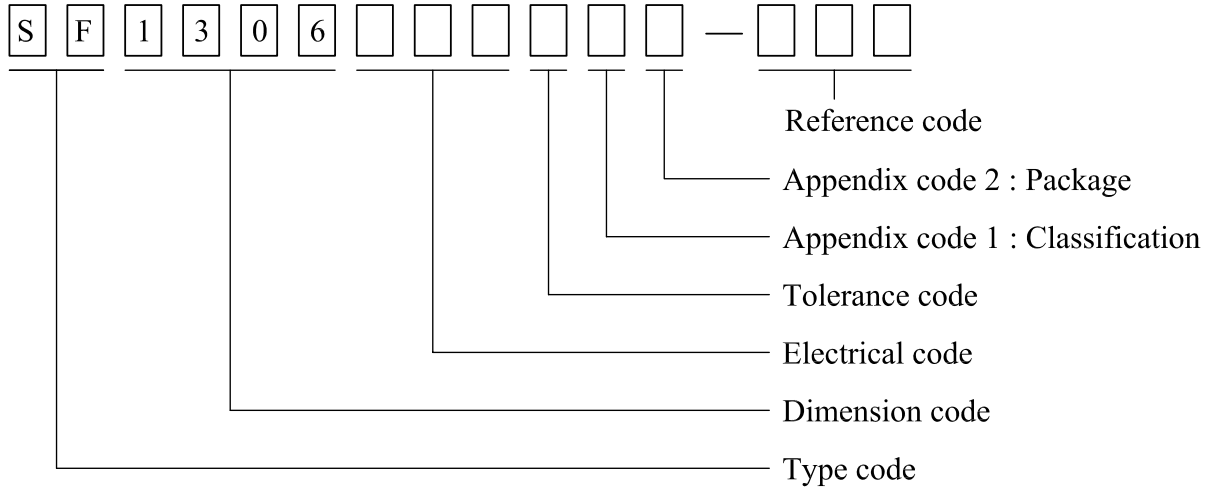
SPECIFICATION FOR APPROVAL

REF :

PAGE: 4

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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	

AR-001A



SPECIFICATION FOR APPROVAL

REF :

PAGE: 5

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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="border: none;">Room temp. 15 minutes</td> <td style="border: none; text-align: center;">→</td> <td style="border: none; text-align: center;">-25±2 °C 30 minutes</td> </tr> <tr> <td style="border: none;">Room temp. 15 minutes</td> <td style="border: none; text-align: center;">→</td> <td style="border: none; text-align: center;">85±2 °C 30 minutes</td> </tr> </table> <p>Total : 50 cycles</p>	Room temp. 15 minutes	→	-25±2 °C 30 minutes	Room temp. 15 minutes	→	85±2 °C 30 minutes
Room temp. 15 minutes	→	-25±2 °C 30 minutes						
Room temp. 15 minutes	→	85±2 °C 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						

AR-001A



SPECIFICATION FOR APPROVAL

REF :

PAGE: 6

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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

287806002

Page 1 of 2

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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 LZI.

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 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.

287806002

Page 2 of 2

OBMW2E174837
September 8, 2000

AR-001A

