

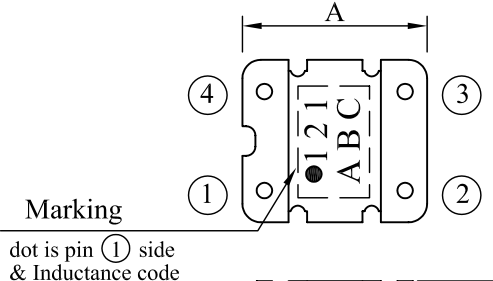
SPECIFICATION FOR APPROVAL

REF :

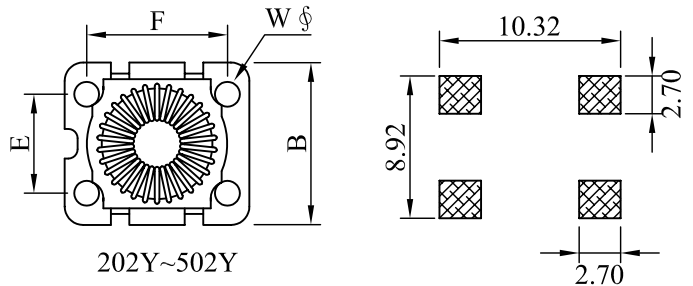
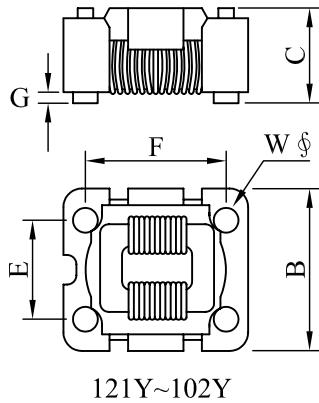
PAGE: 1

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1006□□□□L□-□□□
		ABC'S ITEM NO.	

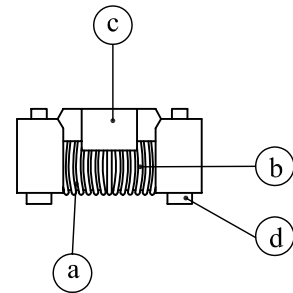
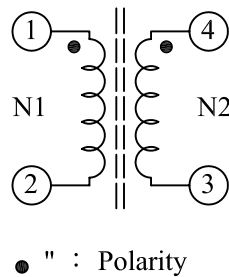
I . CONFIGURATION & DIMENSIONS :



- A : 10.00±0.3 m/m
- B : 8.70±0.3 m/m
- C : 6.50 max. m/m
- E : 6.22±0.1 m/m
- F : 7.62±0.1 m/m
- G : 0.30 min. m/m
- W ϕ : 1.50 ref. m/m



II . SCHEMATIC DIAGRAM :



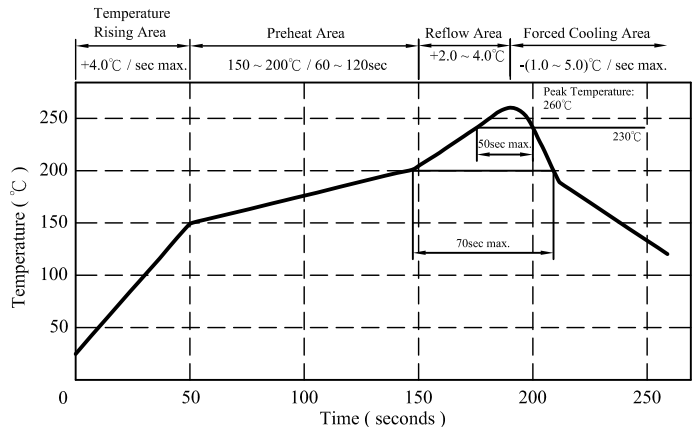
III . MATERIAL DESCRIPTION :

- a . Core : Ferrite core
- b . Wire : Enamelled copper wire (class F)
- c . Base : Phenolic base
- d . Terminal : Tinned copper wire
- e . Adhesive : Epoxy resin
- 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 . Temp. rise : 45°C max. at rated current
- b . Storage temp. : -25°C ---- +85°C
- c . Operating temp. : -20°C ---- +80°C
- d . Resistance to solder heat : 260°C. 10 secs.



AR-001A

SPECIFICATION FOR APPROVAL

REF :

PAGE: 2

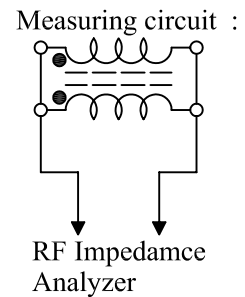
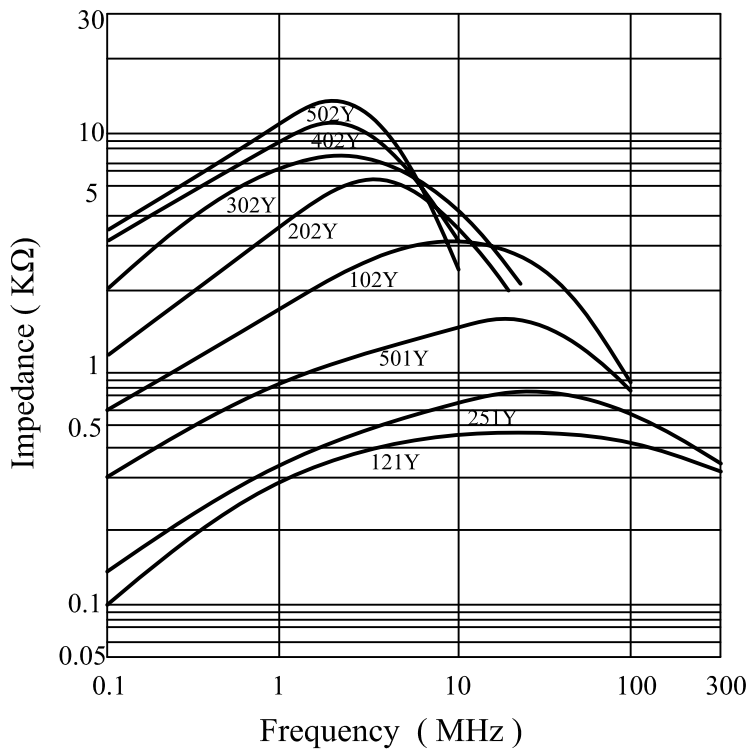
PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1006□□□□L□-□□□
		ABC'S ITEM NO.	

V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance L1 , L2 (μ H)	DC Resistance N1 , N2 (Ω)	Nominal voltage Vdc (V)	Rated current (A)	HI-POT Test	Impedance (Ω)	Freq. range (MHz)
SF1006121YL□-□□□	120 \pm 40%	0.025 max.	50	1.40	1000 Vac 60 Hz 3 mA 1 minute	200 min.	10~ 200
SF1006251YL□-□□□	250 \pm 40%	0.035 max.	50	1.19		400 min.	5~ 100
SF1006501YL□-□□□	500 \pm 40%	0.070 max.	50	0.84		800 min.	2~ 50
SF1006102YL□-□□□	1000 \pm 40%	0.180 max.	50	0.52		1400 min.	1~ 40
SF1006202YL□-□□□	2000 \pm 40%	0.270 max.	50	0.40	300 Vac 60 Hz 3 mA 1 minute	2000 min.	0.5~ 15
SF1006302YL□-□□□	3000 \pm 40%	0.330 max.	50	0.35		3000 min.	0.5~ 10
SF1006402YL□-□□□	4000 \pm 40%	0.550 max.	50	0.30		4000 min.	0.5~ 5
SF1006502YL□-□□□	5000 \pm 40%	0.620 max.	50	0.25		5000 min.	0.5~ 3

- 1). □ : Packaging information ... [A]: Bulk [B]: Taping Reel
- 2). "- □□□ " : Reference code
- 3). Test equipment : Inductance (HP4274A , 0.1V/100KHz)

VI . IMPEDANCE VS . FREQUENCY :



SPECIFICATION FOR APPROVAL

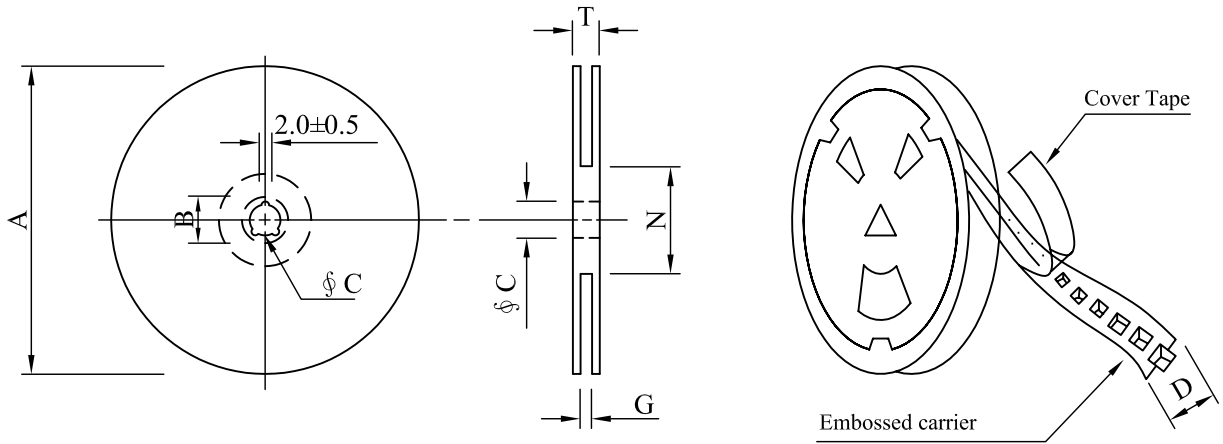
REF :

PAGE: 3

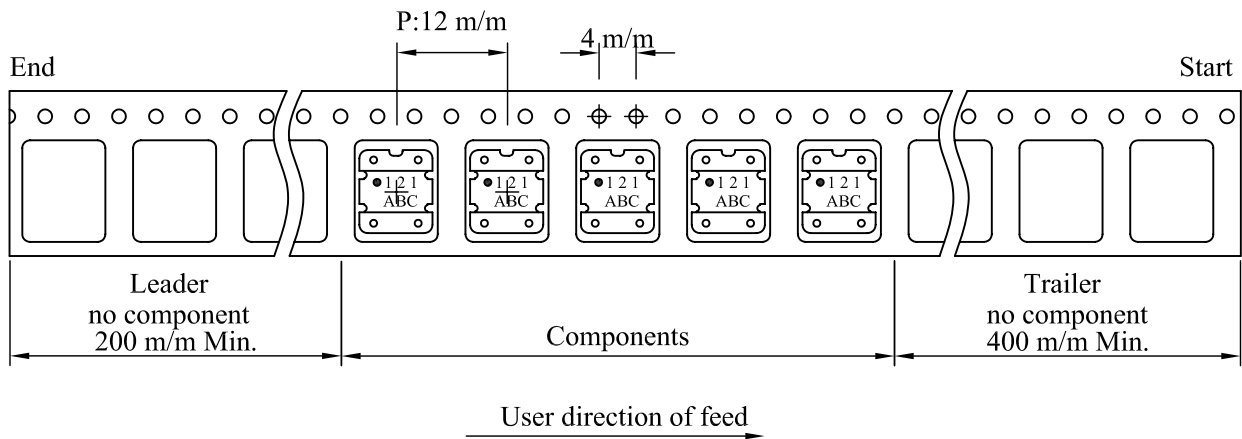
RPOD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1006□□□□L□-□□□
		ABC'S ITEM NO.	

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	24	18 ⁺⁰	50 ⁻⁰	22.4

(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)
SF1006	800	480	13 - 24	3,200	5.6	40 x 40 x 24

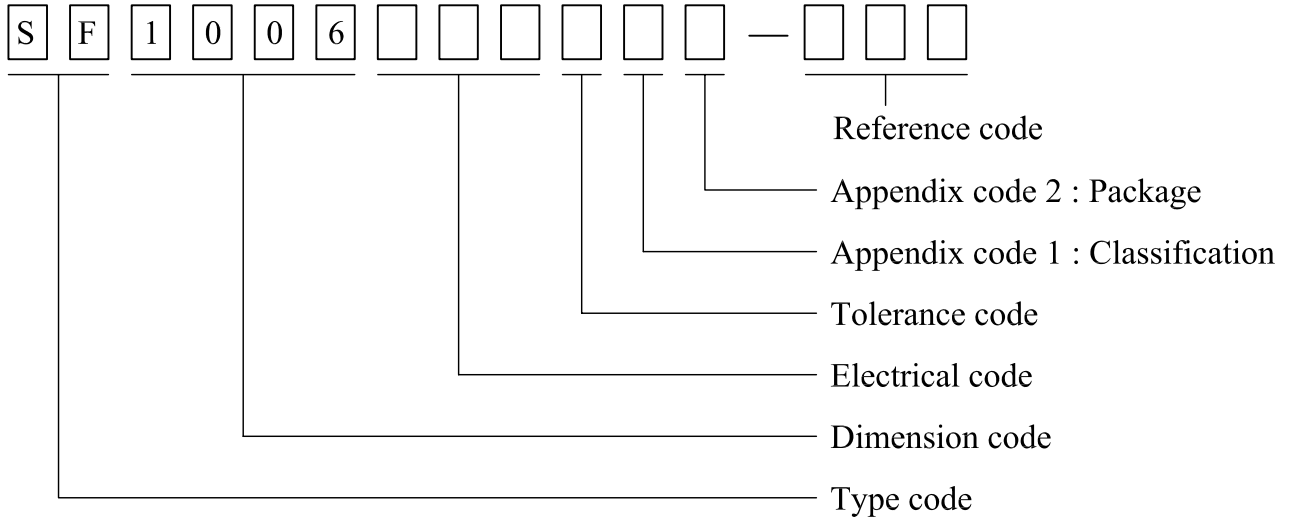
SPECIFICATION FOR APPROVAL

REF :

PAGE: 4

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1006□□□□L□-□□□
		ABC'S ITEM NO.	

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.B.D	T.B.D	
B	T / R (Reel Package)	800 pcs	

SPECIFICATION FOR APPROVAL

REF :

PAGE: 5

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1006□□□□L□-□□□
		ABC'S ITEM NO.	

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 ± 20%	<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 : 85±2°C Applied current : Per spec. Time : 500 hours						

SPECIFICATION FOR APPROVAL

REF :

PAGE: 6

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1006□□□□L□-□□□
		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	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

A not-for-profit organization dedicated to public safety and committed to quality service

Mtl Dsg	Mark Dsg	BC	Coat Typ	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 magnet 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

