

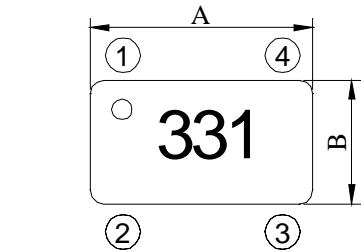
# SPECIFICATION FOR APPROVAL

REF :

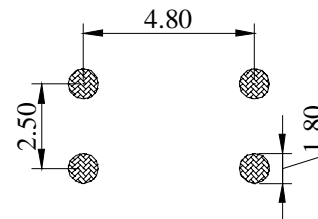
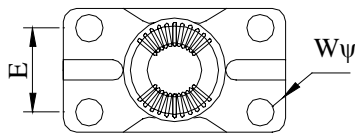
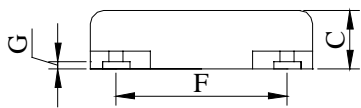
PAGE: 1

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO. ABC'S ITEM NO.	SF6018□□□□L□-□□□
---------------	-----------------	---------------------------------	------------------

**CONFIGURATION & DIMENSIONS :**

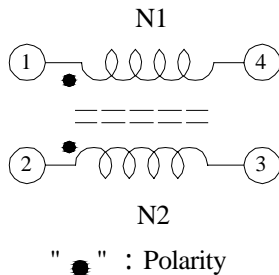


- A : 6.50 max. m / m
- B : 3.60±0.15 m / m
- C : 1.65±0.15 m / m
- E : 2.50±0.10 m / m
- F : 4.80±0.20 m / m
- G : 0.20 min. m / m
- W $\psi$  : 1.00±0.2 m / m



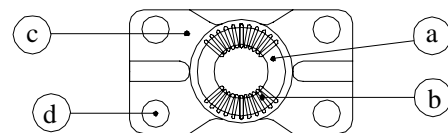
(PCB Pattern Suggestion)

**SCHEMATIC DIAGRAM :**



**MATERIALS :**

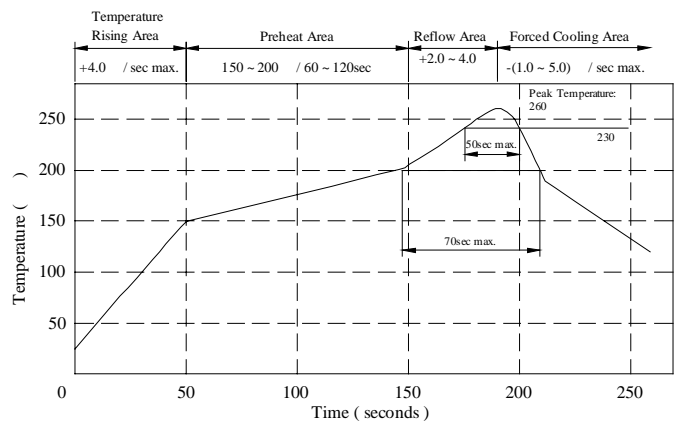
- a . Core : Ferrite core
- b . Wire : Enamelled copper wire
- c . Base : DAP 9100F base
- d . Terminal : Cu / Ni / Sn  
Ni plating 1.5 um min.  
Sn plating 7 um min. after soldering
- e . Remark : Products comply with RoHS' requirements



**GENERAL SPECIFICATION :**

- a . Temp. rise : 40 max. at rated current
- b . Storage temp. : -40 ----+120
- c . Operating temp. : -40 ----+125  
(included Temp. rise)
- d . Resistance to solder heat : 260 .10 secs.

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



# SPECIFICATION FOR APPROVAL

REF :

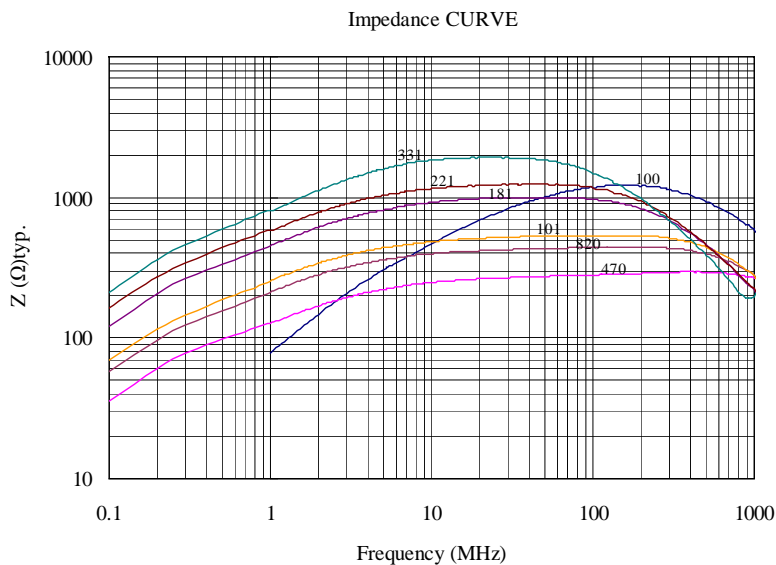
PAGE: 2

PROD. NAME	<b>SMD LINE FILTER</b>	ABC'S DWG NO.  ABC'S ITEM NO.	SF6018□□□□L□-□□□
---------------	------------------------	-------------------------------------	------------------

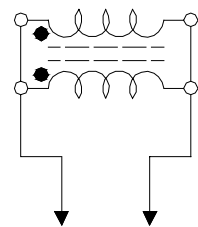
**. ELECTRICAL CHARACTERISTICS :**

DWG No.	L(μH) 20mV/10kHz	L-L   (μH max.)	RDC(N1=N2) (Ω max.)	HI-POT Test	Impedance	
					Freq. range MHz	min(Ω)
SF6018100YL□-□□□	10±50%	1.0	0.24	250 Vac 60 Hz 3 mA 1 min.	350~570	600
SF6018470YL□-□□□	47±50%	4.0	0.16		4~1600	140
SF6018820YL□-□□□	82±50%	4.0	0.20		3~850	220
SF6018101YL□-□□□	100±50%	8.0	0.22		3~660	260
SF6018181YL□-□□□	180±50%	8.0	0.25		3~250	500
SF6018221YL□-□□□	220±50%	10	0.28		3~210	600
SF6018331YL□-□□□	330±50%	10	0.30		3~120	900

- 1). □ : Packaging information ... [A] : Bulk [B]: Taping Reel
- 2). "- □□□ ":Reference code
- 3). Test equipment : Inductance ( HP4284A, 20mV/ 10kHz )  
RDC ( CH-502AC )  
Impedance ( E4991A )
- 4). Nominal voltage : 60Vdc
- 5). Rated current : 300 mA ( Base on series both winding.)



Measuring Circuit :



RF Impedance Analyzer

# SPECIFICATION FOR APPROVAL

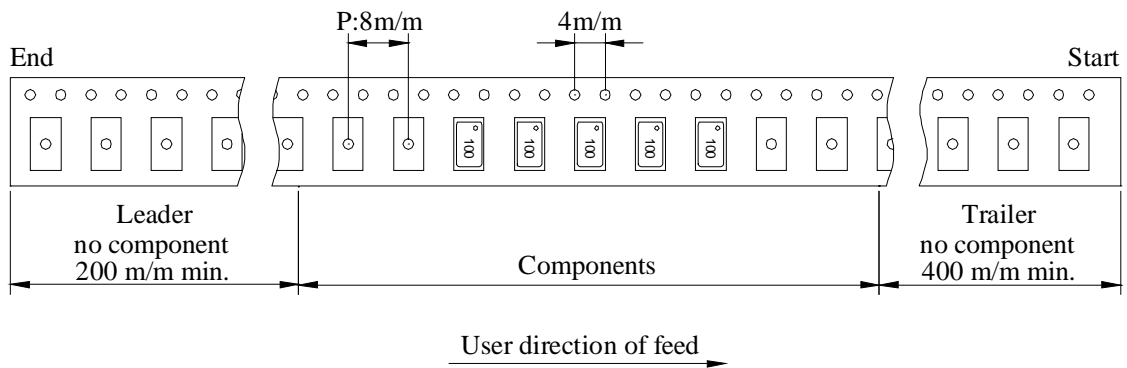
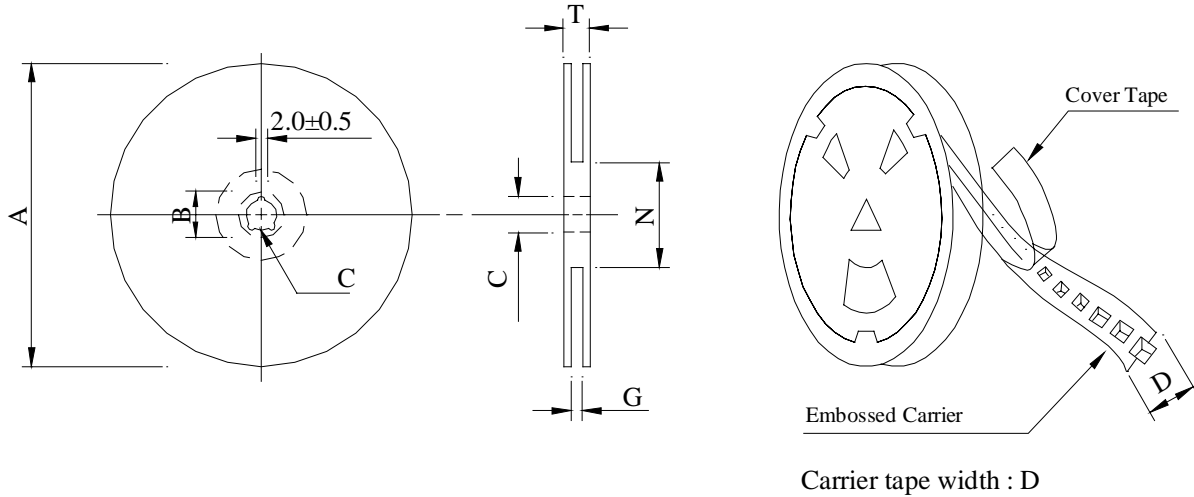
REF :

PAGE: 3

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF6018□□□□L□-□□□
		ABC'S ITEM NO.	

## PACKAGING INFORMATION

### ( 1 ) Configuration



### ( 2 ) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
07 - 12	178	21±0.8	13	12	14 <sup>+0</sup>	50 <sup>-0</sup>	18.4

### ( 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)
SF6018	1000	300	07 - 12	40,000	12.0	42 x 41 x 24

AE-001A

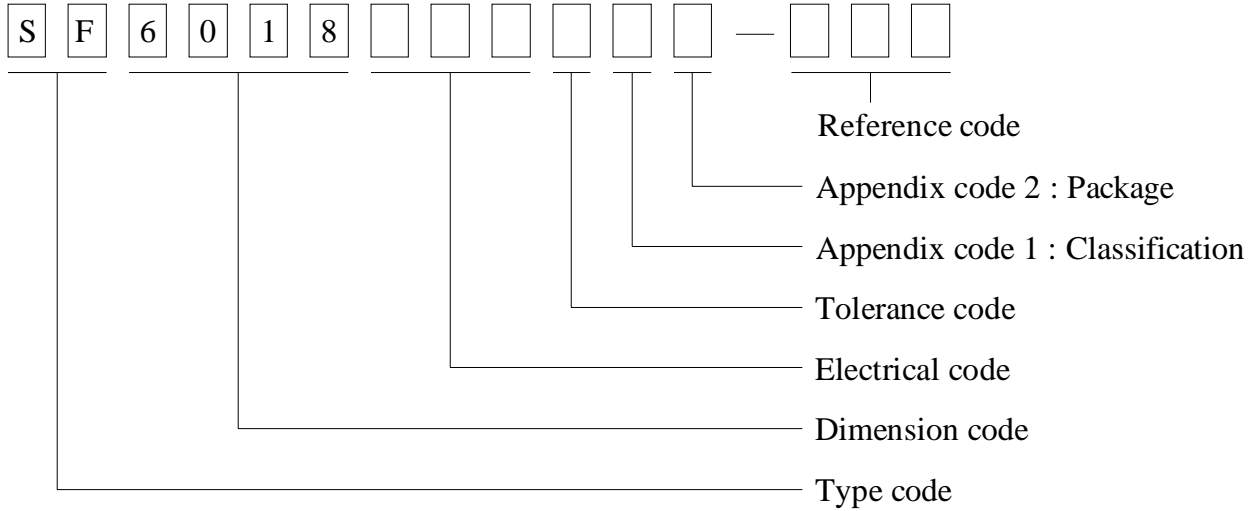
# SPECIFICATION FOR APPROVAL

REF :

PAGE: 4

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF6018□□□□L□-□□□
		ABC'S ITEM NO.	

**. 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 )	1000 pcs	

# SPECIFICATION FOR APPROVAL

REF :

PAGE: 5

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF6018□□□□L□-□□□
		ABC'S ITEM NO.	

. 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. : 260±5 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 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 30 minutes</td> </tr> </table> <p>Total : 50 cycles</p>	Room temp. 15 minutes	→	-25±2 30 minutes	Room temp. 15 minutes	→	85±2 30 minutes
Room temp. 15 minutes	→	-25±2 30 minutes						
Room temp. 15 minutes	→	85±2 30 minutes						
Humidity Resistance test		Temperature : 40±2 Humidity : 90 ~ 95% Applied current : Per spec. Time : 500 hours						
High temp. Resistance test		Temperature : 80±2 Applied current : Per spec. Time : 500 hours						

AE-001A

# SPECIFICATION FOR APPROVAL

REF :

PAGE: 6

PROD. NAME	<b>SMD LINE FILTER</b>	ABC'S DWG NO.	SF6018□□□□L□-□□□
		ABC'S ITEM NO.	

**. DWG EXPRESSION :**

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

A not-for-profit organization dedicated to public safety and 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 LZI.  
 LZ - Signifies magnd 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.

287806002 Page 2 of 2

OBMW2E174837  
September 8 , 2000

# SPECIFICATION FOR APPROVAL

REF :

PAGE: 7

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF6018□□□□L□-□□□
		ABC'S ITEM NO.	

QMFZ2 Component - Plastics Friday , October 24, 2003 E150608

WAH HONG INDUSTRIAL CORP  
10TH FL 235 CHUNG CHENG 4TH RD KAOHSIUNG TAIWAN

Material Designation: WH-9100

Product Description: Diallyl Phthalate ( DAP ), molding compound, furnished as pellets.

Color	Min. Thick. (m/m)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str	IEC GWIT	IEC GWFI
BK	0.37	V-0	0	3	130	130	130	—	—
BK	0.82	V-0	2	0	130	130	130	—	—

CTI: 0                      HVTR: 0                      D495: 4                      IEC Ball Pressure ( ): -

Dielectric Strength (kV/m/m): -      Volume Resistivity (10<sup>x</sup>ohm-cm): -      Dimensional Stability (%): -

ISO Tensile Strength (MPa): -      ISO Flexural Strength (MPa): -      ISO Heat Deflection ( ): -

ISO Tensile Impact (kJ/m<sup>2</sup>): -      ISO Izod Impact (kJ/m<sup>2</sup>): -      ISO Charpy Impact (kJ/m<sup>2</sup>): -

Report Date: 8/18/1998 Underwriters Laboratories Inc<sup>®</sup>

UL94 small-scale test data does not pertain to building materials, furnishings and related contents.

UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in components and parts of end-product devices and appliances, where the acceptability of the combination is determined by ULI.