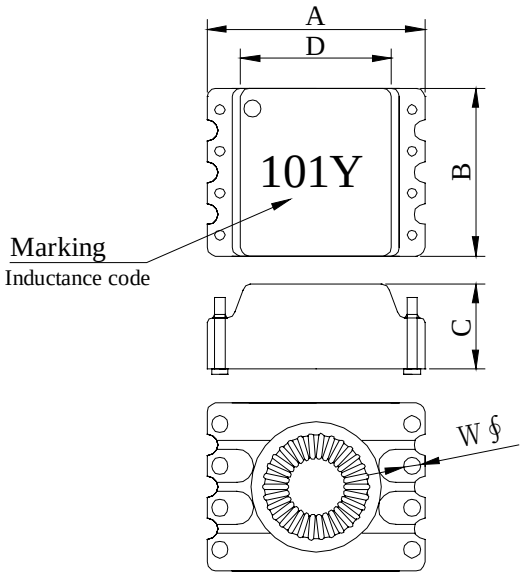
SPECIFICATION FOR APPROVAL

REF : PAGE: 1

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1358□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅰ . CONFIGURATION & DIMENSIONS：



A ： 13.50 max. m / m

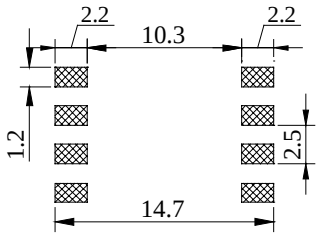
B ： 10.50 max. m / m

C ： 6.10 max. m / m

D ： 9.50 ±0.2 m / m

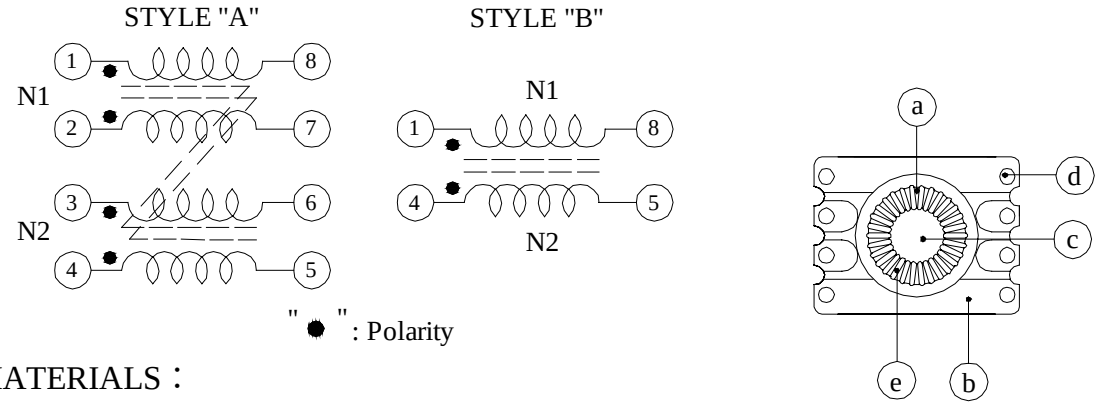
E ： 2.50 ±0.2 m / m

W∮ ： 1.20 max. m / m



(PCB Pattern)

Ⅱ . SCHEMATIC DIAGRAM：



" ● " : Polarity

Ⅲ . MATERIALS：

a . Core：Ferrite T core

b . Case：DAP WH9100

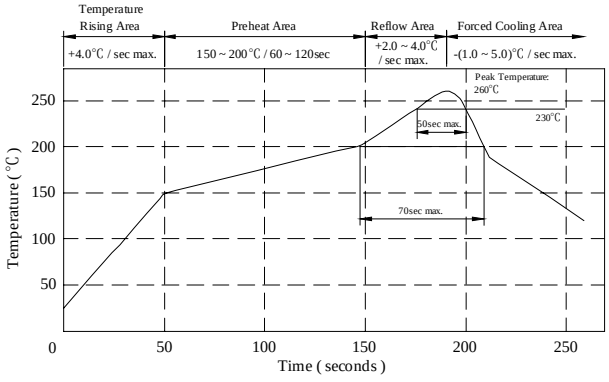
c . Wire：Enamelled copper wire (class B or F)

d . Adhesive：Epoxy resin

e . Terminal：Tinned copper plate

f . Remark：Products comply with RoHS' requirements

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



Ⅳ . ENVIRONMENTAL SPECIFICATION：

a . Temp. rise：45℃ max.

b . Storage temp . ：-40℃ ----+85℃

c . Operating ambient temp . ：-40℃----+80℃

d . Resistance to solder heat ：260℃. 10 secs.

千如電子集團
ABC ELECTRONICS GROUP.

SPECIFICATION FOR APPROVAL

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1358□□□□L□-□□□
		ABC'S ITEM NO.	

Ⅴ . ELECTRICAL CHARACTERISTICS：

DWG NO.	Inductance (uH) 0.1 V , 100 KHZ		DC resistance	Rated current	HI-POT test	Impedance	Freq. range	Style
	L1 , L2	| L1-L2 |	N1 , N2 (Ω)	(A)		(Ω)	(MHz)	
SF1358350YL□ - □□□	35±35%	4 max.	0.035 max.	2.70 max.	600 Vac 60 Hz 3 mA 3 sec.	400 min.	5 ~ 250	B
SF1358600YL□ - □□□	60±35%	5 max.	0.065 max.	2.00 max.		600 min.	5 ~ 100	B
SF1358101YL□ - □□□	100±35%	15 max.	0.100 max.	0.70 max.		300 min.	1 ~ 50	A
SF1358251YL□ - □□□	250±35%	25 max.	0.150 max.	0.60 max.		600 min.	1 ~ 40	A
SF1358501YL□ - □□□	500±35%	35 max..	0.300 max.	0.40 max.		1200 min.	1 ~ 40	A
SF1358102YL□ - □□□	1000±35%	45 max.	0.400 max.	0.35 max.		2200 min.	0.5 ~ 10	A

1). □ ：Packaging information … A：Bulk B：Taping Reel

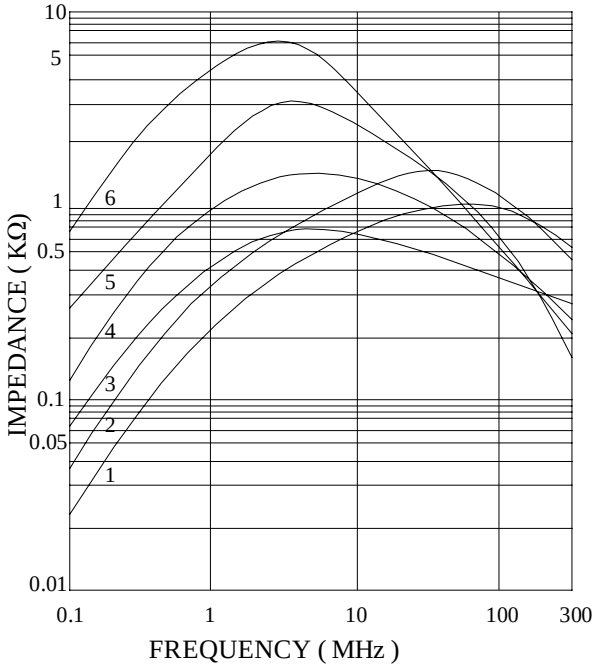
2)."-□□□ ":Reference code

3). Temp. rise ： 45℃ max. at rated current

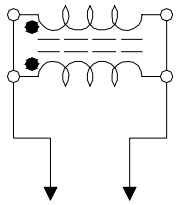
4). Test equipment : HP-4284A

Ⅵ . IMPEDANCE VS . FREQUENCY ：

6 : SF1358102Y
5 : SF1358501Y
4 : SF1358251Y
3 : SF1358101Y
2 : SF1358600Y
1 : SF1358350Y



MEASURING CIRCUIT :



RF IMPEDANCE ANALYZER

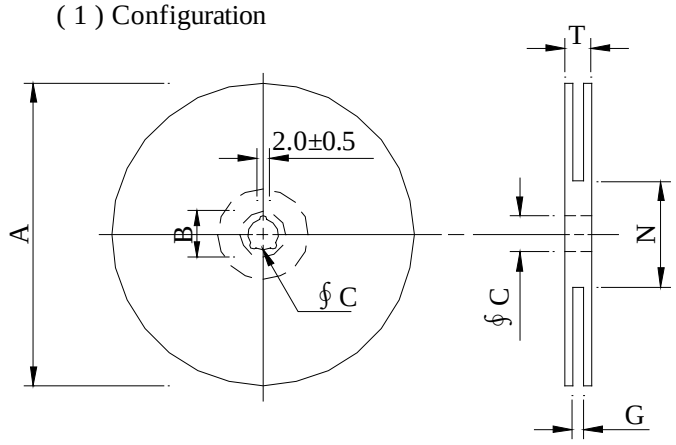
千如電子集團 ABC ELECTRONICS GROUP.

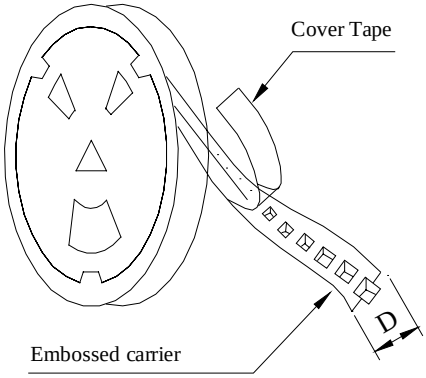
SPECIFICATION FOR APPROVAL

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1358□□□□L□-□□□
		ABC'S ITEM NO.	

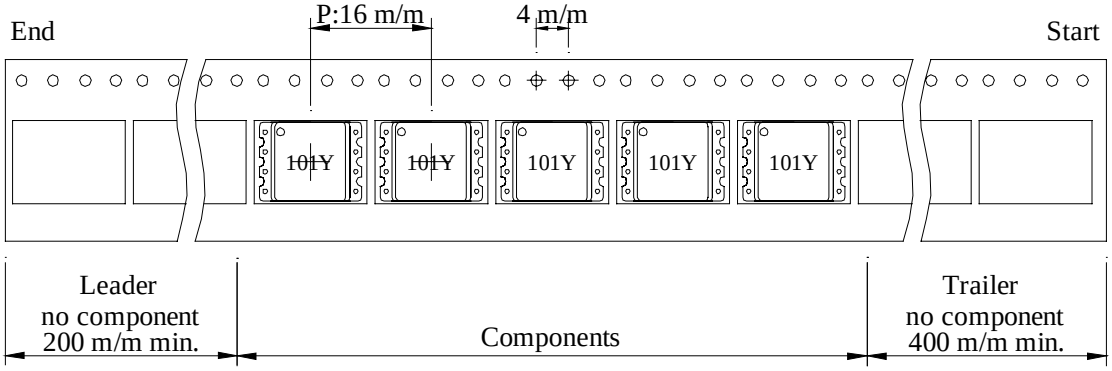
Ⅶ．PACKAGING INFORMATION：

(1) Configuration





※Carrier tape width : D



User direction of feed

(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

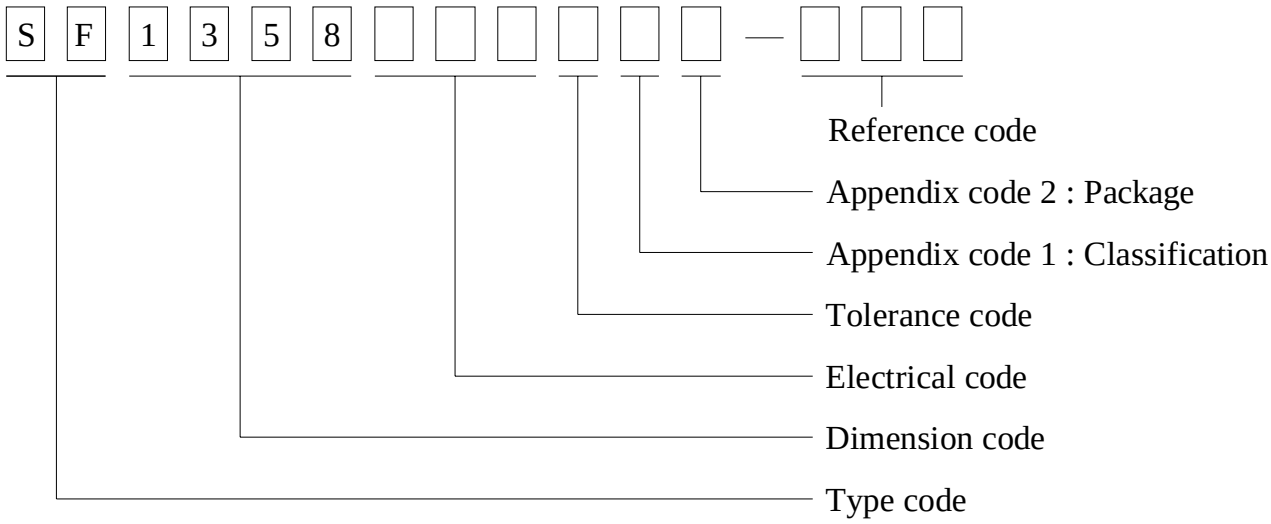
(3) Q'TY & G.W. Per package

Series	Inner : Reel			Outer : Carton		
	Q'TY (pcs)	G.W. (gw)	Style	Q'TY (pcs)	G.W. (Kg)	Size (cm)
SF1358	600	700	13 - 24	2,400	6.5	40 x 40 x 24

SPECIFICATION FOR APPROVAL

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1358□□□□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)	600 pcs	

SPECIFICATION FOR APPROVAL

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1358□□□□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℃ 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. 15 minutes → -25±2 ℃ 30 minutes Room temp. 15 minutes → 85±2 ℃ 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

SPECIFICATION FOR APPROVAL

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1358□□□□L□-□□□
		ABC'S ITEM NO.	

X . 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	Coat Typ 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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A not-for-profit organization dedicated to public safety and committed to quality service

Mtl Dsg	Mark Dsg	Coat Typ 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 magned 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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OBMW2/E174837
September 8 , 2000

SPECIFICATION FOR APPROVAL

PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF1358□□□□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^{x} ohm-cm): - Dimensional Stability (%): -

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

ISO Tensile Impact (kJ/m^2): - ISO Izod Impact (kJ/m^2): - ISO Charpy Impact (kJ/m^2): -

Report Date: 8/18/1998 Underwriters Laboratories Inc ®

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.