

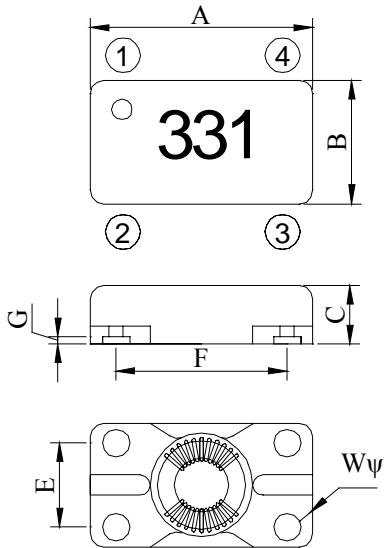
SPECIFICATION FOR APPROVAL

REF :

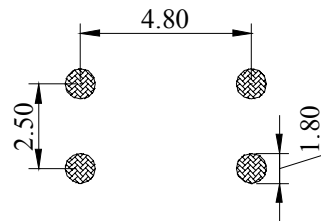
PAGE: 1

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

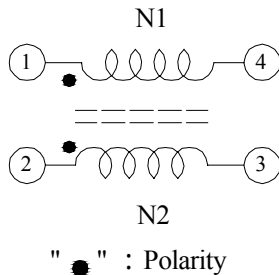


- A : 6.50 max. m / m
- B : 3.60±0.15 m / m
- C : 1.65±0.15 m / m
- E : 2.50±0.10 m / m
- F : 4.80±0.20 m / m
- G : 0.20 min. m / m
- W ψ : 1.00±0.2 m / m



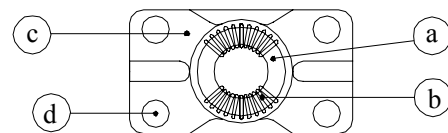
(PCB Pattern Suggestion)

. SCHEMATIC DIAGRAM :

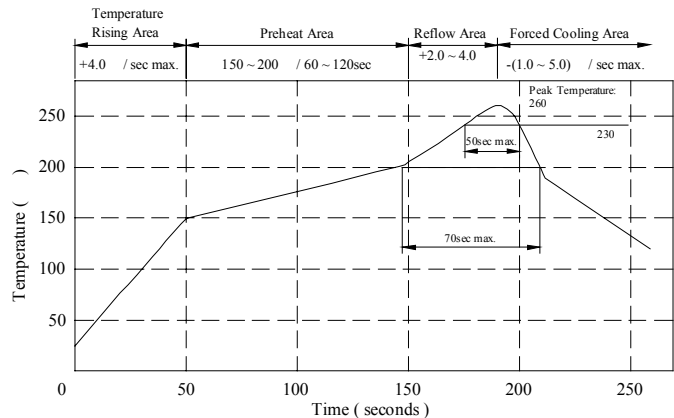


. MATERIALS :

- 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



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



. 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.

AE-001A

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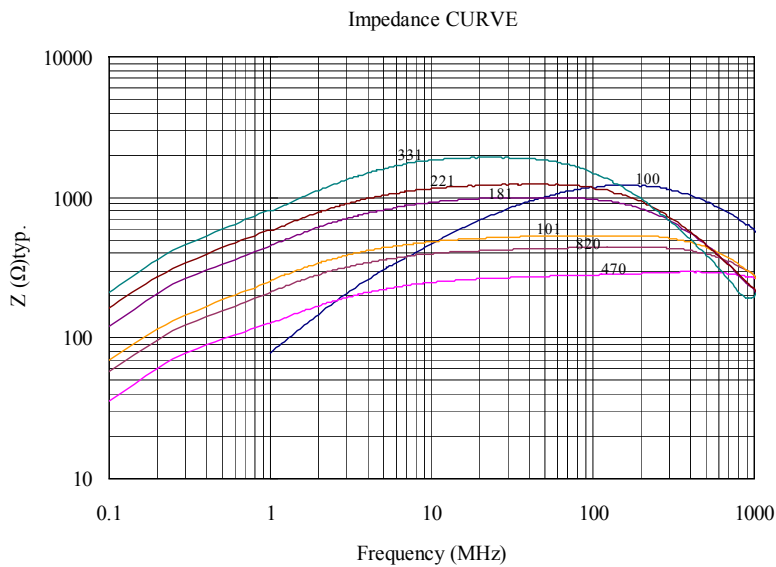
PAGE: 2

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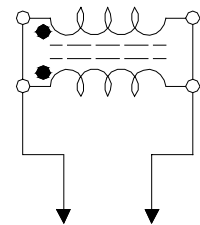
. ELECTRICAL CHARACTERISTICS :

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

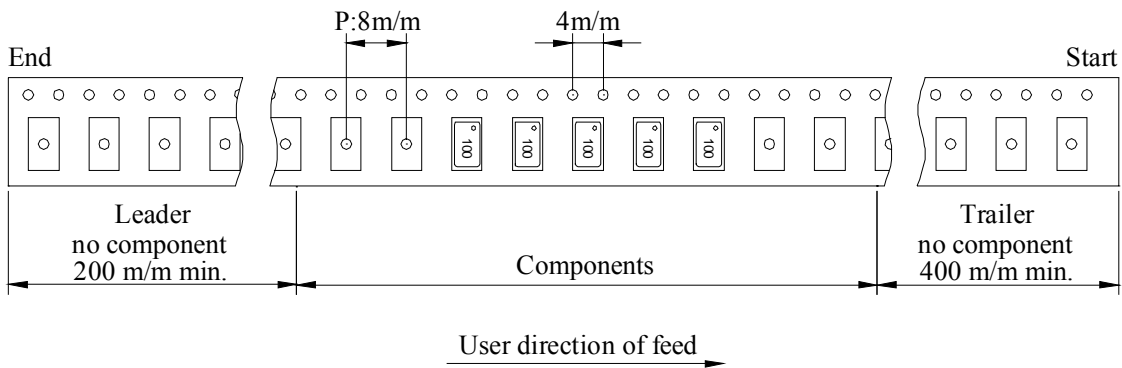
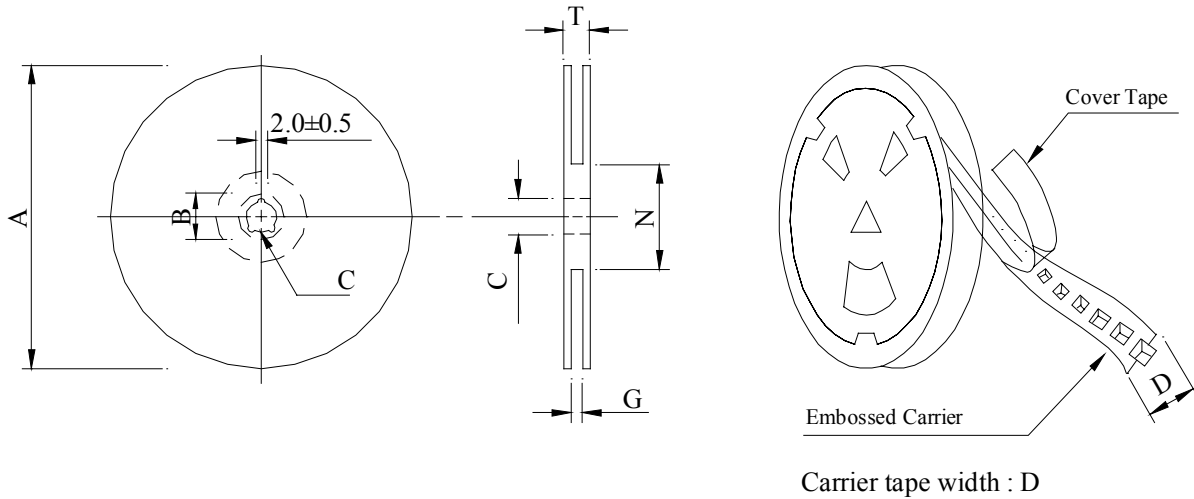
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PAGE: 3

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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 ⁺⁰	50 ⁻⁰	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

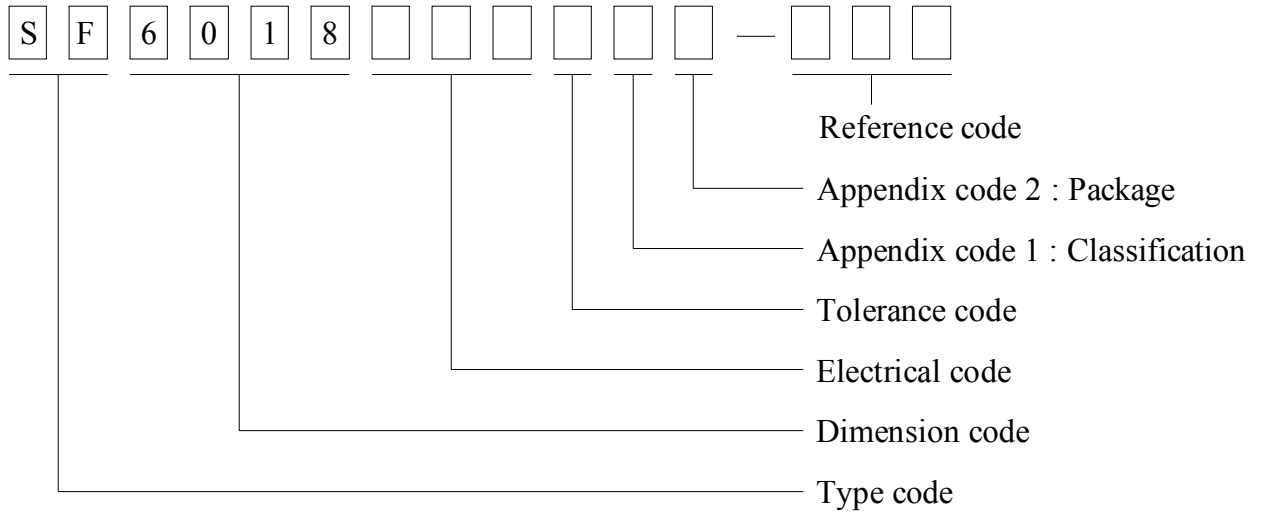
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PAGE: 4

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. 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

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. 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

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. 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

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287806002 Page 1 of 2

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 - signi-
fies 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

