

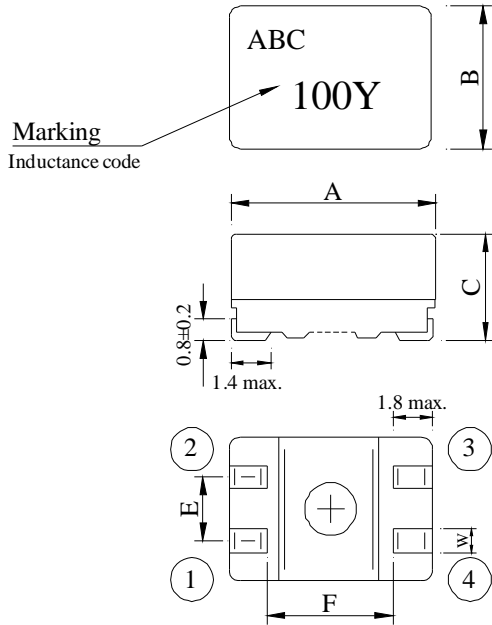
# SPECIFICATION FOR APPROVAL

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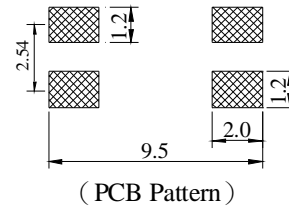
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PROD. NAME	SMD LINE FILTER	ABC'S DWG NO.	SF0905□□□□L□-□□□
		ABC'S ITEM NO.	

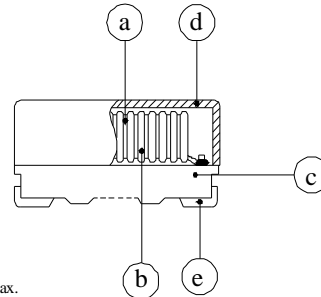
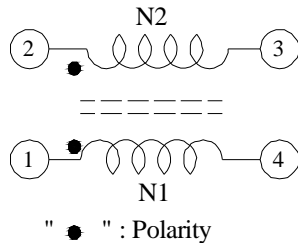
## I . CONFIGURATION & DIMENSIONS :



A :	9.20±0.3	m / m
B :	6.00±0.3	m / m
C :	5.00±0.3	m / m
E :	2.54±0.2	m / m
F :	5.70 ref.	m / m
W :	1.00±0.1	m / m



## II . SCHEMATIC DIAGRAM :



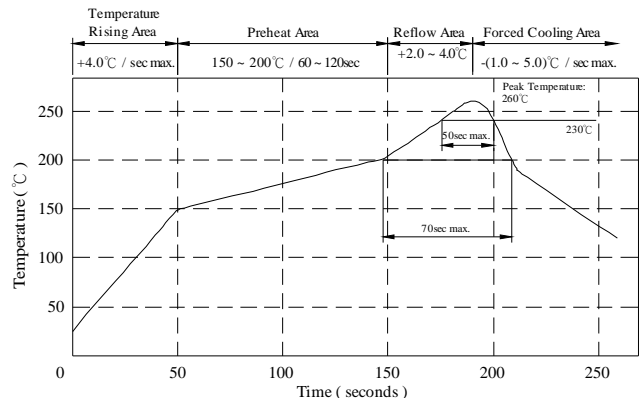
## III . MATERIALS :

- a . Core : Ferrite Toroidal core
- b . Wire : Enamelled copper wire ( class H )
- c . Base : LCP
- d . Case : LCP
- e . Terminal : Cu/Ni/Sn
- 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.
- b . Storage temp. : -40°C ----+105°C
- c . Operating temp. : -40°C ----+105°C
- d . Resistance to solder heat : 260°C.10 secs.



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千如電子集團  
ABC ELECTRONICS GROUP.

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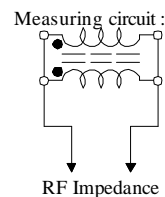
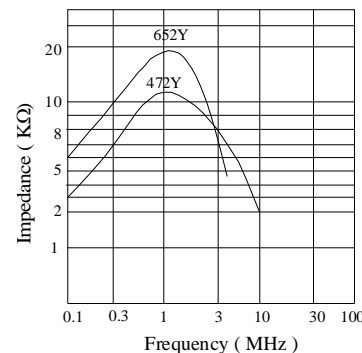
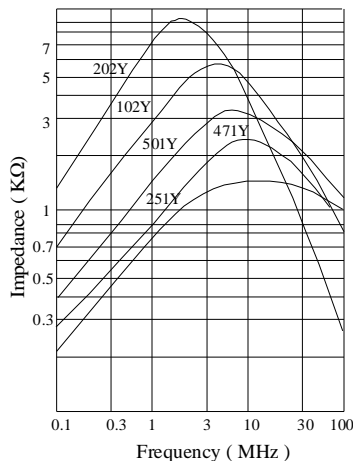
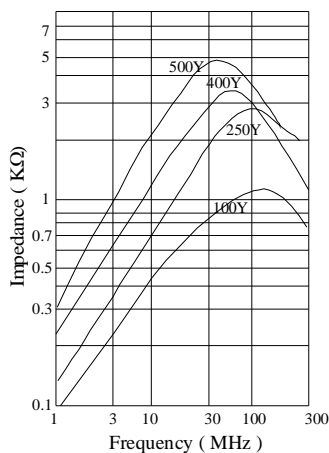
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		ABC'S ITEM NO.	

## V . ELECTRICAL CHARACTERISTICS :

Dwg. No.	Inductance L1, L2 (μH)	Test condition	DC Resistance N1, N2 (Ω)	Nominal Voltage Vdc (V)	Rated current (A)	Impedance (Ω)	Freq. Range (MHz)
SF0905100YL□-□□□	10±30%	0.1V,1KHz	0.08 max.	50	1.6	200 min.	20 ~ 300
SF0905250YL□-□□□	25±30%	0.1V,1KHz	0.16 max.	50	1.0	600 min.	20 ~ 150
SF0905400YL□-□□□	40±30%	0.1V,1KHz	0.25 max.	50	0.9	800 min.	20 ~ 100
SF0905500YL□-□□□	50±30%	0.1V,1KHz	0.32 max.	50	0.8	1500 min.	20 ~ 100
SF0905251YL□-□□□	250±50%	5mV,100KHz	0.13 max.	50	1.2	600 min.	3 ~ 20
SF0905471YL□-□□□	470±50%	5mV,100KHz	0.14 max.	50	1.1	1000 min.	2 ~ 20
SF0905501YL□-□□□	500±50%	5mV,100KHz	0.15 max.	50	1.0	1000 min.	1 ~ 20
SF0905102YL□-□□□	1000±50%	5mV,100KHz	0.31 max.	50	0.8	1500 min.	1 ~ 15
SF0905202YL□-□□□	2000±50%	5mV,100KHz	0.42 max.	50	0.6	3000 min.	1 ~ 5
SF0905472YL□-□□□	4700±50%	5mV,100KHz	0.90 max.	50	0.4	4000 min.	0.3 ~ 3
SF0905652YL□-□□□	6500±50%	5mV,100KHz	1.05 max.	50	0.3	5000 min.	0.3 ~ 2

- 1). □ : Packaging information ... A: Bulk , B: Taping Reel
- 2). "-□□□": Reference code
- 3). HI-Pot test ( N1-N2 ) : 500Vac / 60Hz , 3mA , 3sec.
- 4). Test equipment : Inductance 100Y ~ 500Y ( HP4274A ) ; 251Y ~ 652Y ( HP4194A )  
 Impedance 100Y ~ 202Y ( HP4291A ) ; 472Y ~ 652Y ( HP4194A )

## VI . IMPEDANCE VS . FREQUENCY :



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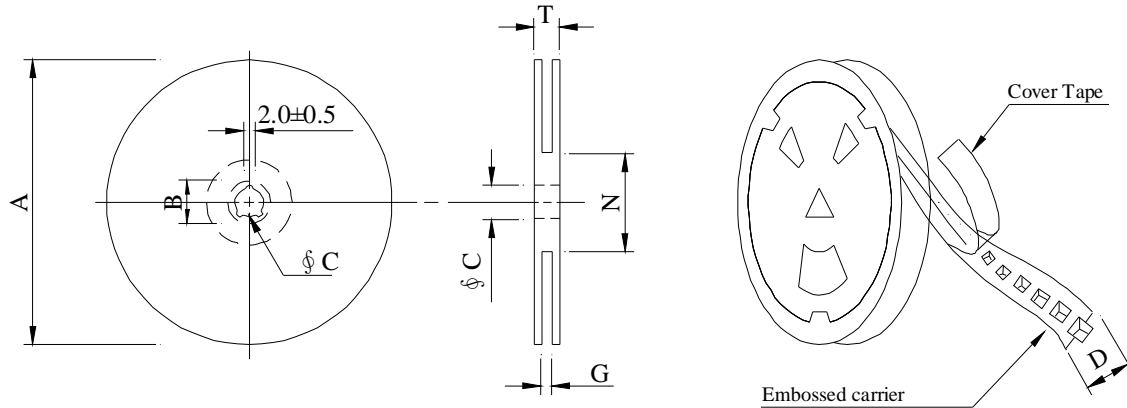
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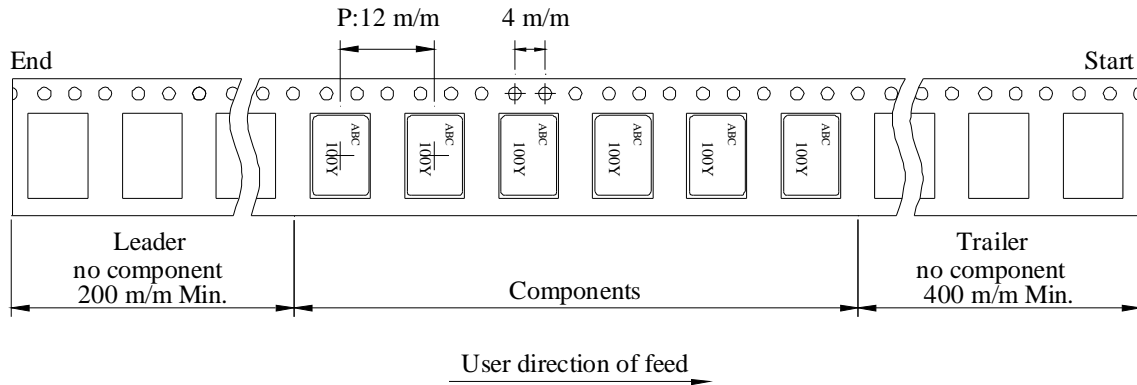
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## VII . PACKAGING INFORMATION :

### ( 1 ) Configuration



※Carrier tape width : D



### ( 2 ) Dimensions

Unit:m/m

Style	A	B	C	D	G	N	T
13 - 16	330	21±0.8	13	16	18 <sup>+0</sup>	50 <sup>-0</sup>	22.4

### ( 3 ) QTY & G.W. Per package

Series	Inner : Reel			Outer : Carton		
	QTY (pcs)	G.W. (gw)	Style	QTY (pcs)	G.W. (Kg)	Size (cm)
SF0905	1,000	600	13 - 16	6,000	8.0	40 x 40 x 24

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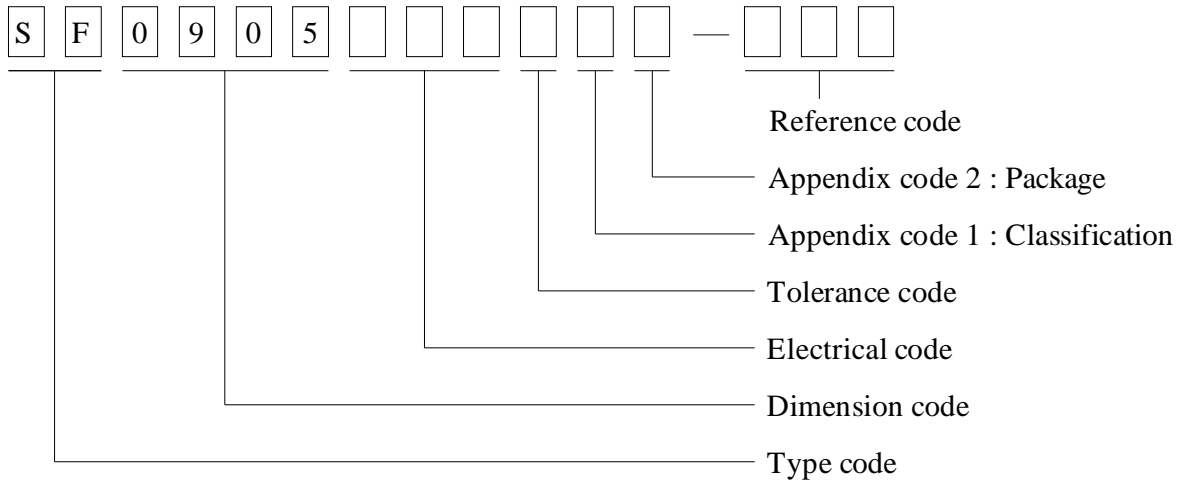
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**VIII . DWGING NUMBER EXPRESSION :**



**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 QTY	Remark
A	T.B.D.	T.B.D.	
B	T / R ( Reel Package )	1000 pcs	

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**IX . RELIABILITY TEST :**

Test item	Specification	Test condition						
Solderability	More than 95% of the terminal electrode shall be covered With fresh solder.	Preheat : 155°C / 4 hours. Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent Solder temp. : 235±5°C Flux : Rosin Dip time : 5±0.5 seconds						
Thermal shock test ( Temp. cycle )	Electrical oharacteristics shall not change more than ±20%	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Room temp. 15 minutes</td> <td style="text-align: center;">→</td> <td style="text-align: center;">-40 °C 30 minutes</td> </tr> <tr> <td style="text-align: center;">Room temp. 15 minutes</td> <td style="text-align: center;">→</td> <td style="text-align: center;">+105 °C 30 minutes</td> </tr> </table> <p>Total : 50 cycles</p>	Room temp. 15 minutes	→	-40 °C 30 minutes	Room temp. 15 minutes	→	+105 °C 30 minutes
Room temp. 15 minutes		→	-40 °C 30 minutes					
Room temp. 15 minutes		→	+105 °C 30 minutes					
Humidity Test		Temperature : 40±2°C Humidity : 90±5% Time : 1000 hours						
High temp. Resistance test	Temperature : 105±5°C Applied current : Per spec. Time : 96 hours							

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**X . UL CARD :**

PROSPERITY ELECTRIC WIRE & CABLE CO  
 SHIN SHUI KOU ADMINSTRATIVE DISTRICT  
 CHAO TOW TOWN  
 DONGGUAN, GUANGDONG CHINA

E196072

Mtl Dsg	Mark Dsg	Coat Typ		ANSI Type	Temp Class
		BC	OC		
PEW	(1)	Polyester	—	MW5	155
EIW	(1)	Polyesterimide	—	MW74-C	200
UEW	(1)	Polyurethane	—	MW75	130
UEW-NY	(1)	Polyurethane	Polyamide	MW28C	130
UEWFNY	(1)	Polyurethane	Polyamide	MW80C	155
UEWF	(1)	Polyurethane	—	MW79C	155
UEWH+NY	(1)	Polyurethane	Polyamide	—	200
				MW83C	180®

(1)-Marked designations are the same as the material designations.

Marking: Company name and material designation on packages or reels.

[Last Updated](#) on 2007-07-31

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		SUMITOMO CHEMICAL CO LTD						E54705 (M)				
		5-33 KITAHAMA 4-CHOME CHUO-KO, OSAKA JAPAN										
		RTI										
Mtl Dsg	Col	Min Thk mm	UL94 Flame Class	Elec	Mech		H W I	H A I	H V T R	D 4 9 5	C T I	
					with Imp	w/o Imp						
Liquid crystal polyester (LCP), designated "EKONOL" or "SUMIKASUPER", furnished in the form of pellets, (Contd)												
E4008, E400X	NC, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	130	130	130	3	4	—	—	—	
		1.5	94V-0	130	130	130	2	4	—	—	—	
		3.0	94V-0	130	130	130	1	4	0	5	4	
E4008	NC, WT, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	220	180	220	3	4	—	—	—	
		1.5	94V-0	220	200	240	2	4	—	—	—	
		3.0	94V-0	220	200	240	1	4	0	5	4	
E4010	NC, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	220	180	220	3	4	—	—	—	
		1.5	94V-0	220	200	240	2	4	—	—	—	
		3.0	94V-0	220	200	240	1	4	0	5	4	
E400(Y)L, E4008L	NC, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	130	130	130	3	4	—	—	—	
		1.5	94V-0	130	130	130	2	4	—	—	—	
		3.0	94V-0	130	130	130	1	4	0	5	4	
E4810	NC, BK	0.30	94V-0	130	130	130	—	—	—	—	—	
		0.75	94V-0	130	130	130	0	4	—	—	—	
		1.5	94V-0	130	130	130	0	4	—	—	—	
		3.0	94V-0	130	130	130	1	4	0	5	4	

(X) Denotes any number 1 thru 9.  
(Y) Denotes any number 1 thru 7.

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