

SF2562L

**846.5 MHz
SAW Filter**



SM1109

MAXIMUM RATING

- Input Power Level: 10 dBm
- DC Voltage : 3V
- Operating Temperature: -40°C to +85°C
- Storage Temperature: -55°C to +125°C
- Moisture Sensitive Level : Level 3(MSL3)
- ESD 100V(MM) 200V(HBM)

ELECTRICAL CHARACTERISTICS

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	876.5	-	-
Insertion Loss (859~894 MHz) IL	dB	-	2.1	3	-
(859~894 MHz) IL	dB	-	2.1	2.5	23 to 27°C
VSWR (859~894 MHz)		-	2	2.3	-
Amplitude ripple (859~894 MHz)	dB	-	1.2	2.2	-
Attenuation					
1 ~ 447 MHz	dB	40	46	-	-
814 ~ 849 MHz	dB	30	35	-	-
849 ~ 854 MHz	dB	3	22	-	-
849 ~ 854 MHz	dB	10	22	-	23 to 27°C
909 ~ 979 MHz	dB	25	32	-	-
979 ~ 6000 MHz	dB	20	34	-	-
6013 ~ 6258 MHz	dB	20	34	-	-
6258 ~ 12750 MHz	dB	10	15	-	-
Package size	mm	SMD 1.1x0.9			

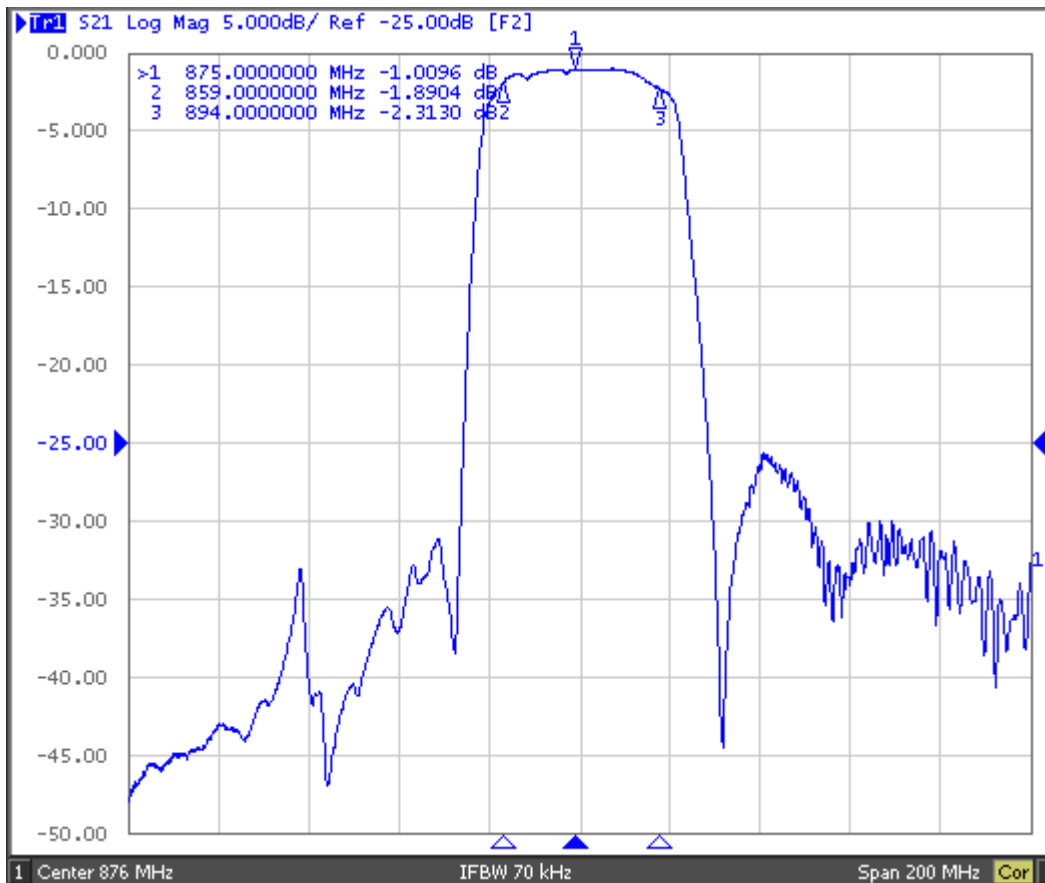
CAUTION: Electrostatic Sensitive Device. Observe precautions for handling. NOTES:



1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

FREQUENCY CHARACTERISTICS

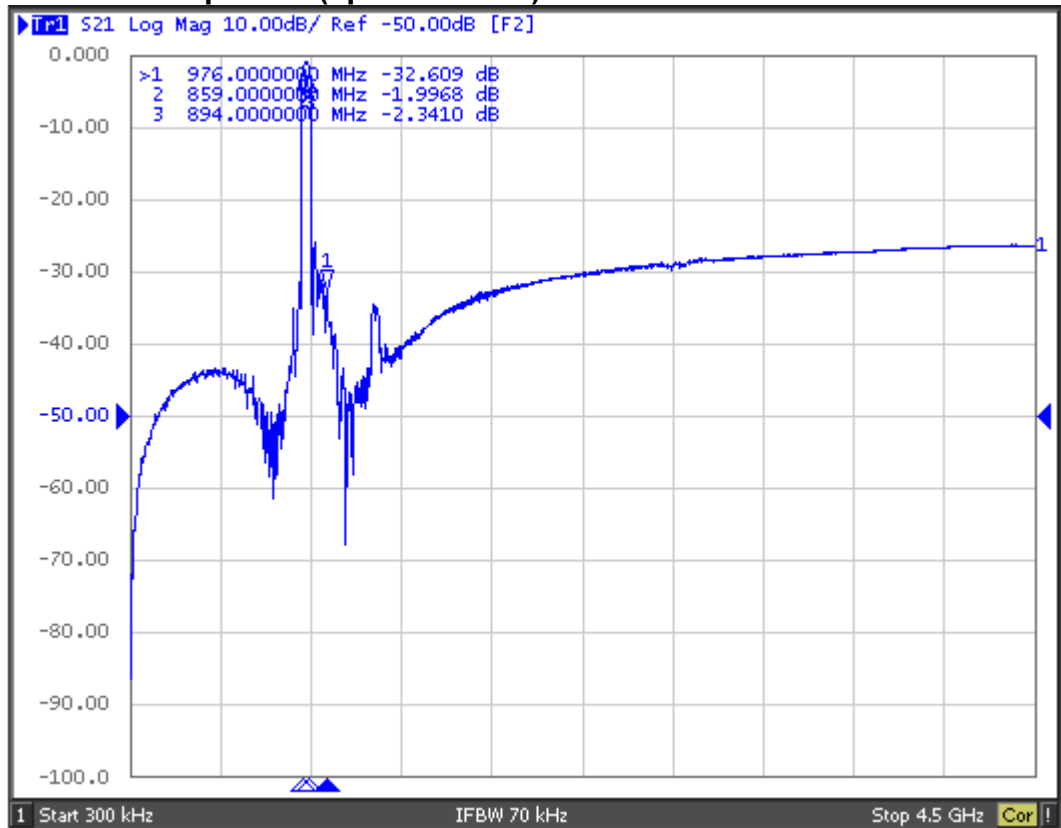
S21 response: (span 200MHz)



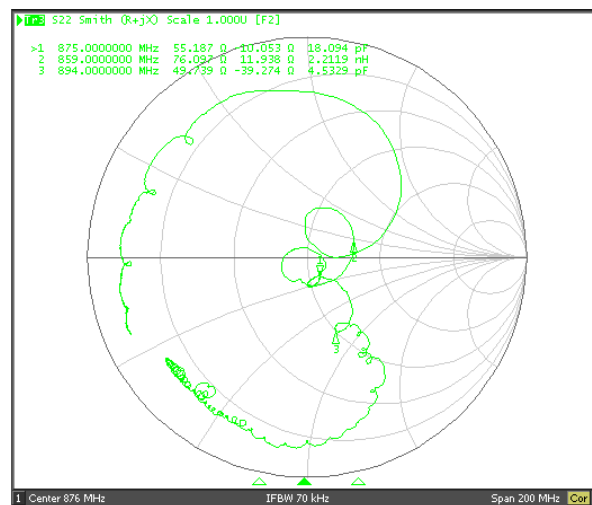
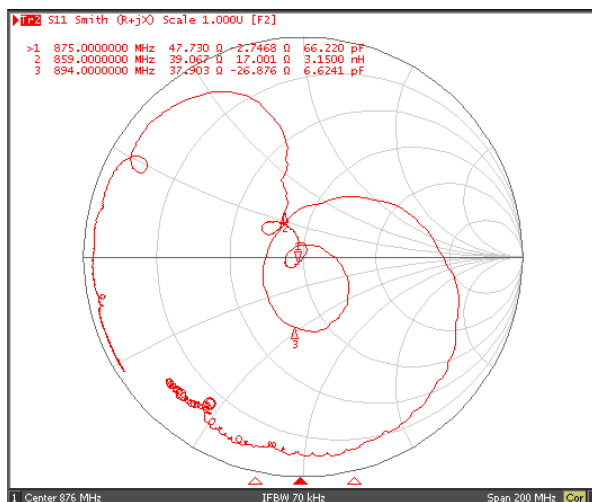
S21 response: (span 100MHz)



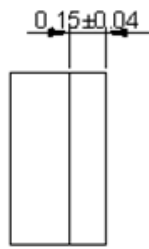
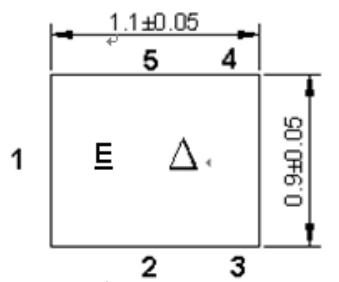
S21 response: (span 100MHz)



S11/S22 :



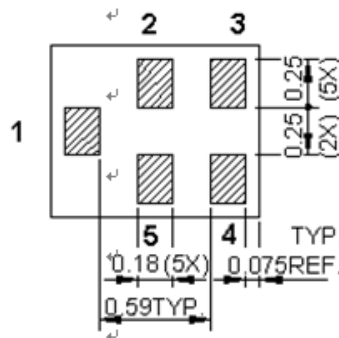
OUTLINE DRAWING



All tolerances are ± 0.05 mm unless otherwise specified
Coplanarity : 0.1 mm max.

1 to 5 : Pin No.

Unit : mm



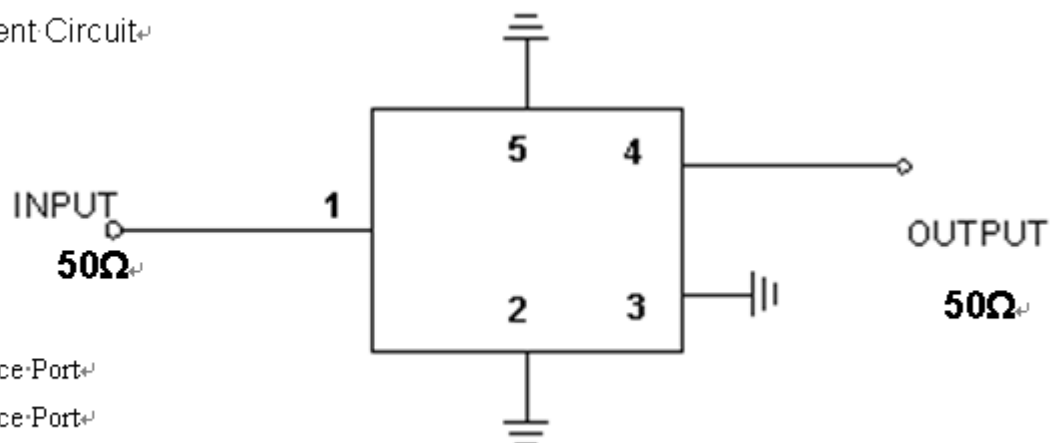
Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

Δ : Year/Month Code (Follow the table)

YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	A	B	C	D	E	F	G	H	J	K	L	M
2018	N	P	Q	R	S	T	U	V	W	X	Y	Z
2019	a	b	c	d	e	f	g	h	j	k	l	m
2020	n	p	q	r	s	t	u	v	w	x	y	z

MEASUREMENT CIRCUIT

Measurement Circuit

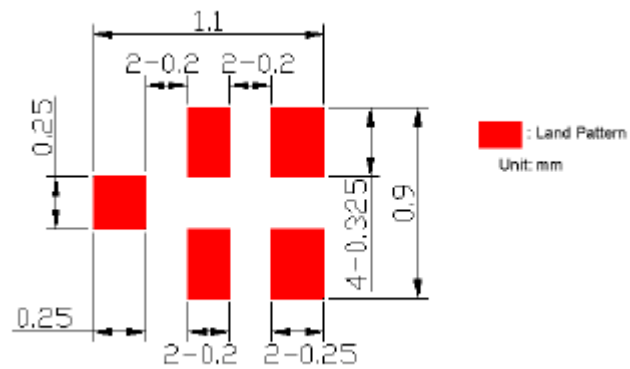


(1) : Unbalance Port

(4) : Unbalance Port

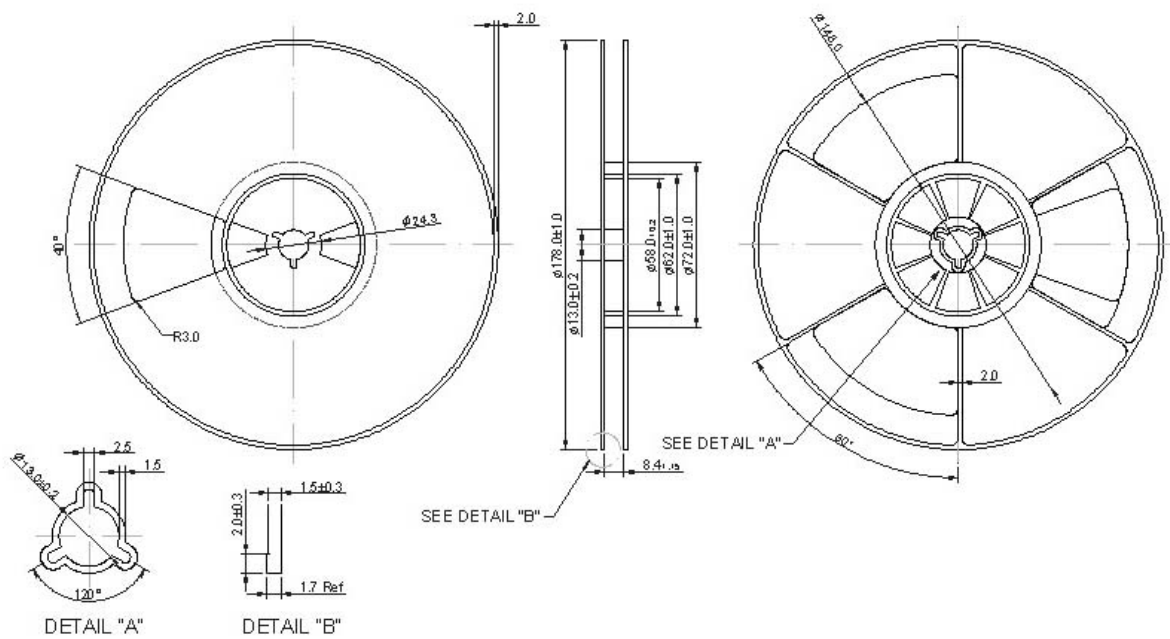
Others : Ground

FOOT PRINT

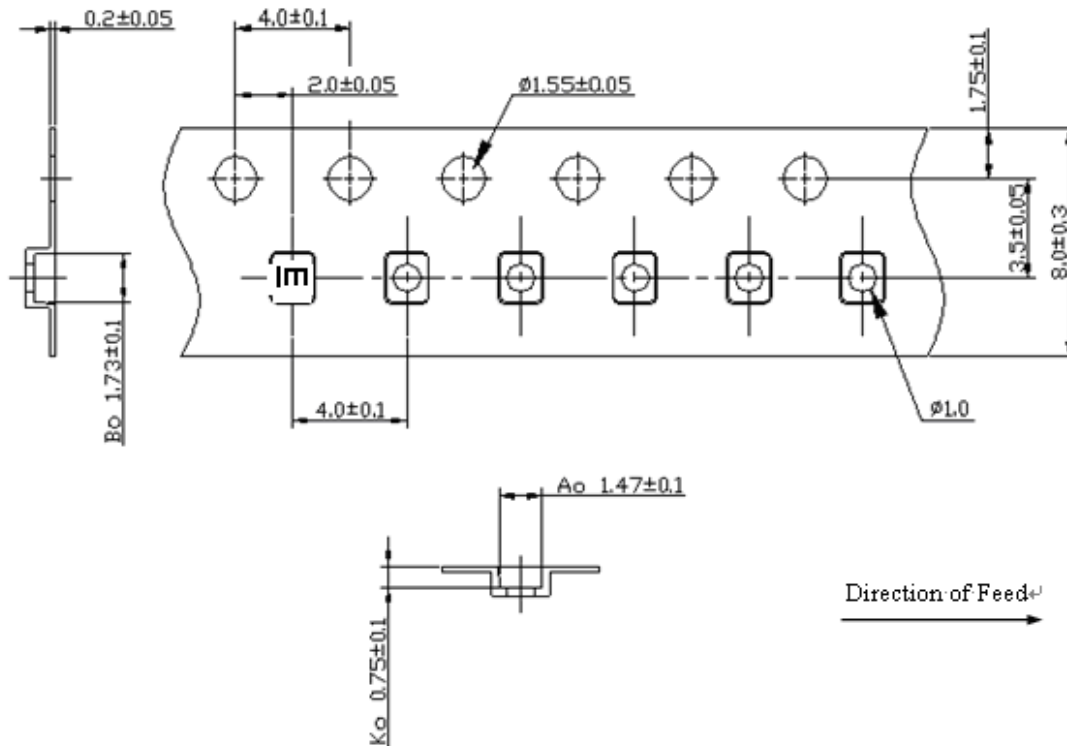


PACKING REEL DIMENSION

Reel Count
7" = 3000
13" = 10,000



TAPE DIMENSION



RECOMMENDED REFLOW PROFILE

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C+0/-5°C peak (20~40sec).
4. Time: 2 times.

