

**SF2572L**

**1900 MHz  
SAW Filter**



**SM1109**

**MAXIMUM RATING**

- Input Power Level: 10 dBm
- DC Voltage : 3V
- Operating Temperature: -40°C to +85°C
- Storage Temperature: -40°C to +105°C
- Moisture Sensitivity Level: Level 3
- ESD 50V(MM) 100V(HBM)

**ELECTRICAL CHARACTERISTICS**

Item	Unit	Min.	Type.	Max.	Note
<b>Center Frequency (Fc)</b>	MHz	-	1900	-	-
<b>Insertion Loss (1880~1920 MHz) IL</b>	dB	-	1.4	2	-
<b>VSWR (1880~1920 MHz)</b>		-	1.4	2	
<b>Amplitude ripple (1880~1920 MHz)</b>	dB	-	0.5	1.4	-
<b>Attenuation</b>					-
10 ~ 1710 MHz	dB	30	35	-	
1710 ~ 1805 MHz	dB	35	43	-	-
1805 ~ 1840 MHz	dB	25	30	-	-
1840 ~ 1850 MHz	dB	10	13	-	-
2000 ~ 2110 MHz	dB	25	30	-	
2110 ~ 2200 MHz	dB	30	35	-	-
2200 ~ 4000 MHz	dB	30	38	-	-
4000 ~ 6000 MHz	dB	27	34	-	-
				-	-
Package size	mm	SMD 1.1x0.9			

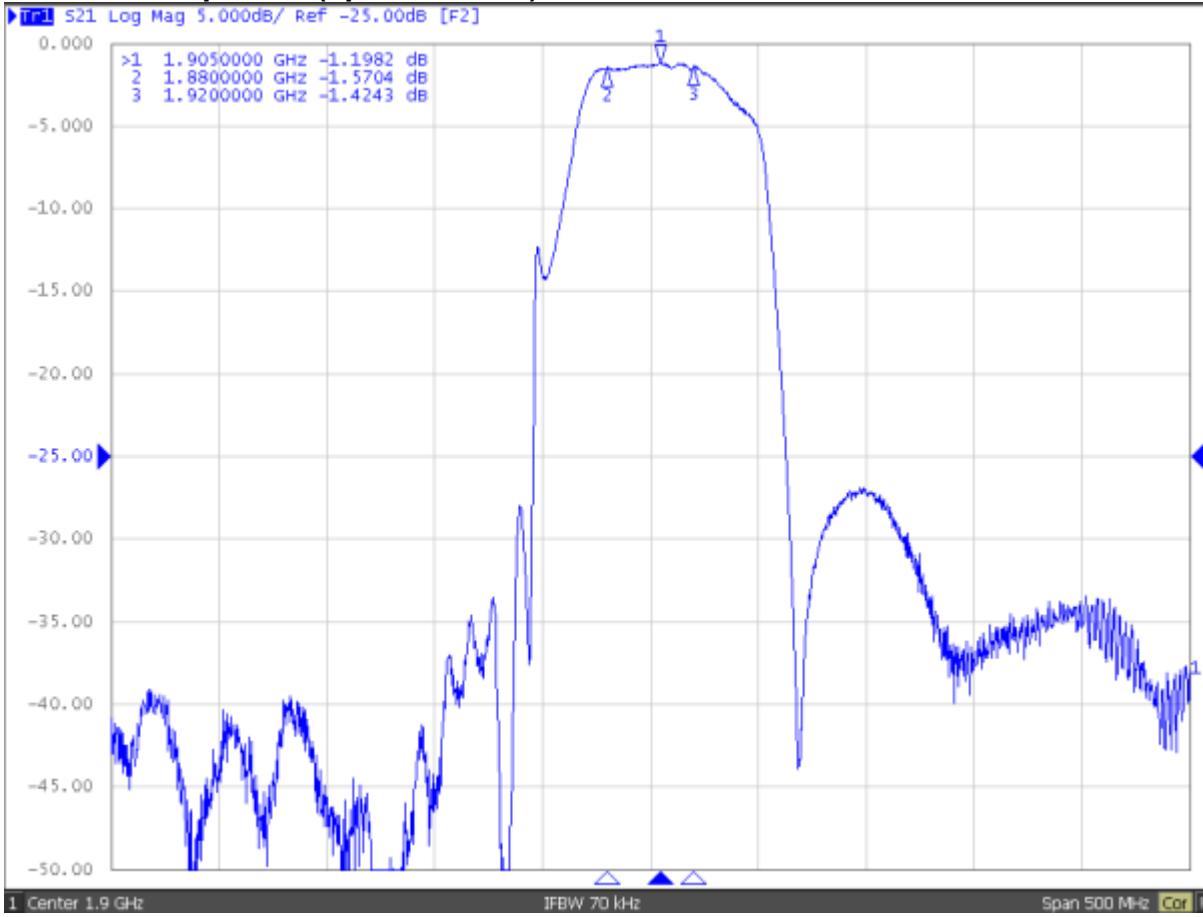
**CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.**



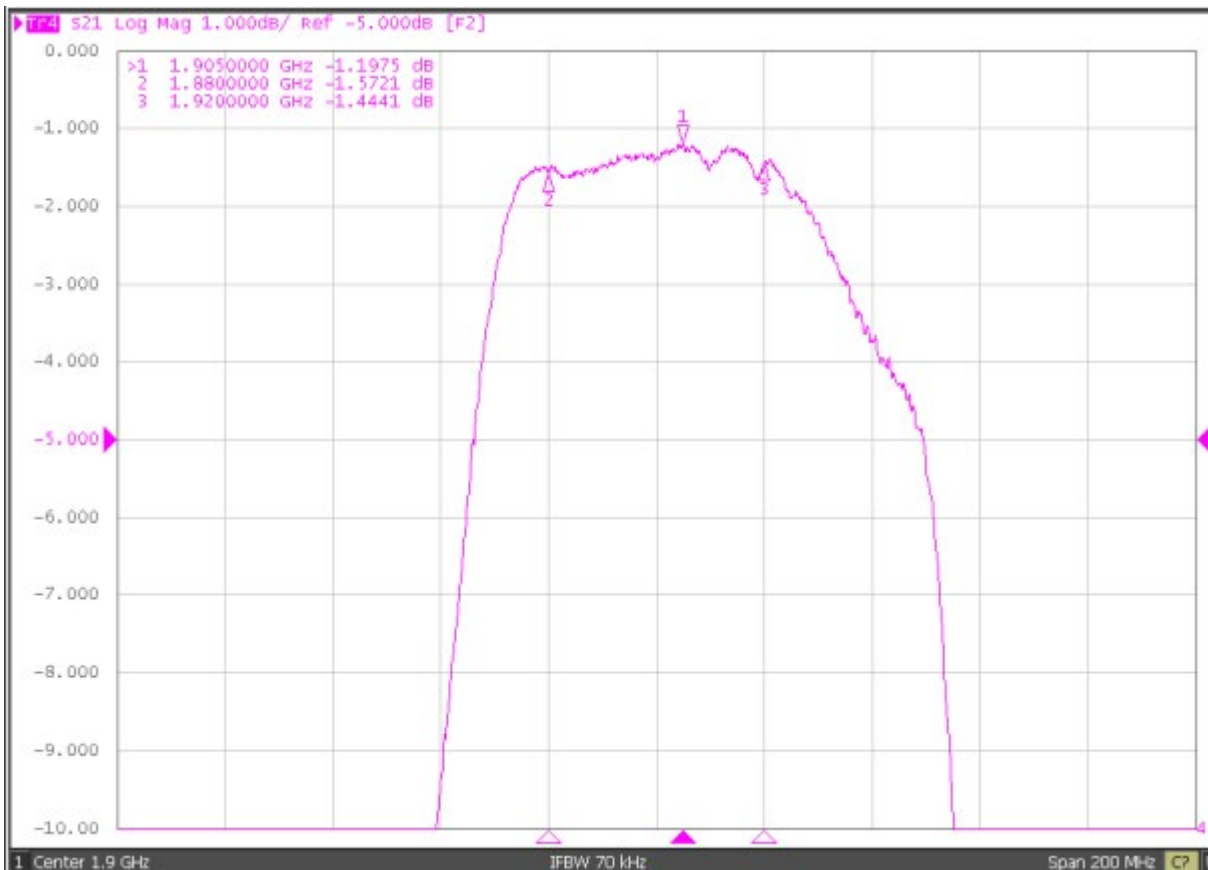
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

# FREQUENCY CHARACTERISTICS

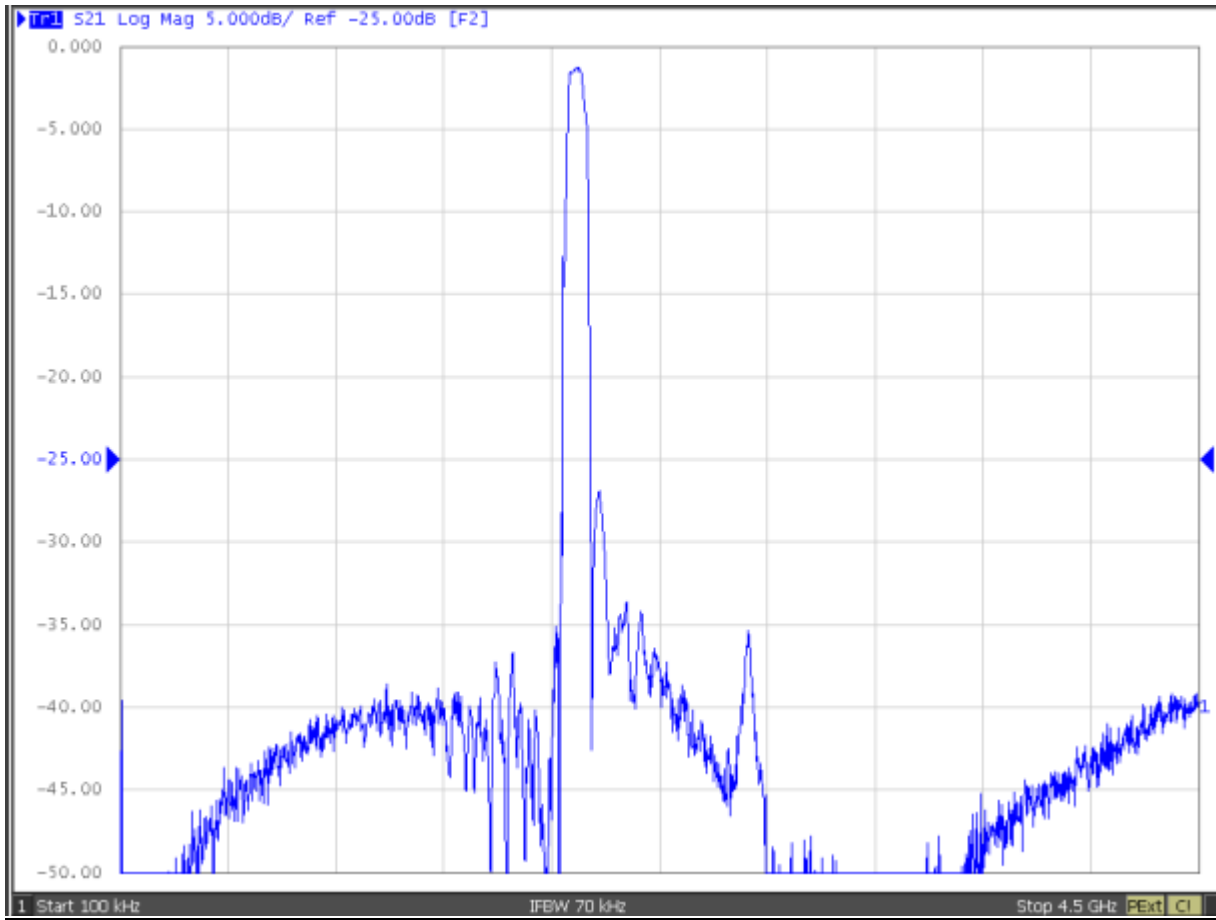
## S21 response: (span 500MHz)



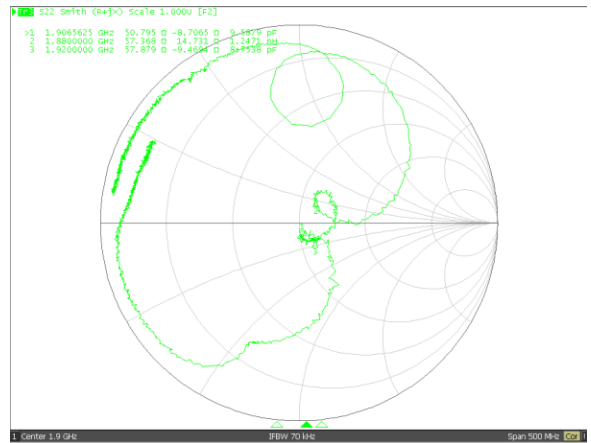
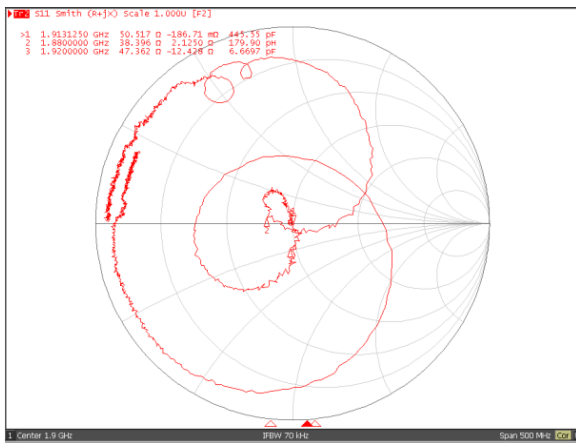
## S21 response: (span 200MHz)



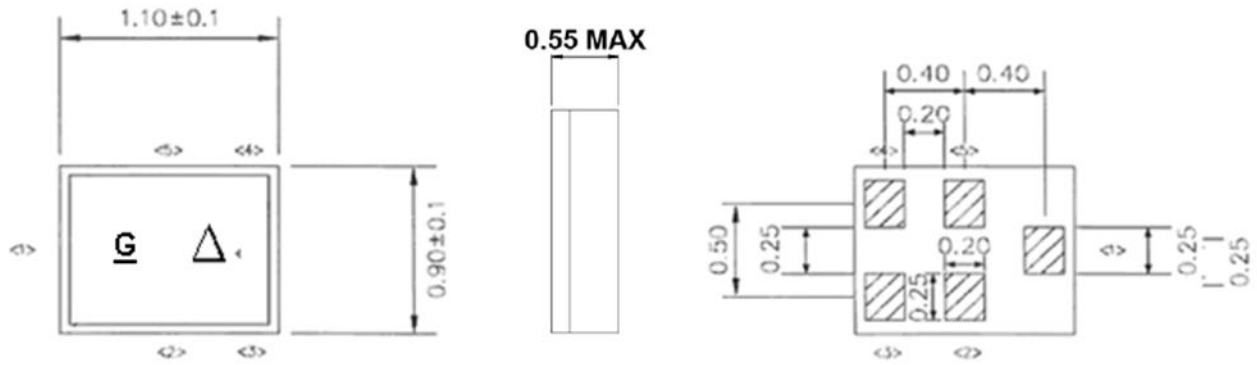
## S21 response: (span 4.5GHz)



## S11/S22 response:



# OUTLINE DRAWING



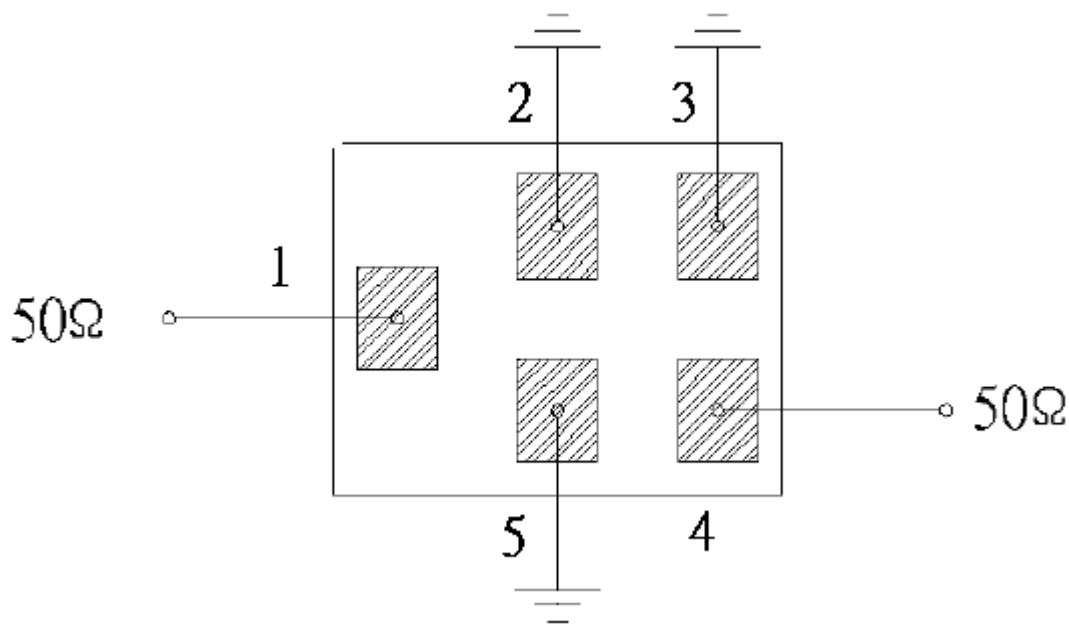
Unit: mm

Pin No.	Symbol	Function
1	IN	Unbalanced pin
2	GND	Ground
3	GND	Ground
4	OUT	Unbalanced pin
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	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>U</u>	<u>V</u>	<u>W</u>	<u>X</u>	<u>Y</u>	<u>Z</u>
2019	<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	<u>f</u>	<u>g</u>	<u>h</u>	<u>j</u>	<u>k</u>	<u>l</u>	<u>m</u>
2020	<u>n</u>	<u>p</u>	<u>q</u>	<u>r</u>	<u>s</u>	<u>t</u>	<u>u</u>	<u>v</u>	<u>w</u>	<u>x</u>	<u>y</u>	<u>z</u>

## MEASUREMENT CIRCUIT





## 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.

