

SF2574L

**2350 MHz
SAW Filter**



SM1109

MAXIMUM RATING

- Input Power Level: 10 dBm
- DC Voltage : 3V
- Operating Temperature: -20°C to +85°C
- Storage Temperature: -40°C to +105°C
- Moisture Sensitivity Level: 3

ELECTRICAL CHARACTERISTICS

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	2350	-	-
Insertion Loss (2300~2400 MHz) IL	dB	-	2.5	3.8	-
(2300~2400 MHz) IL	dB	-	2.5	3	23 to 27°C
VSWR (2300~2400 MHz)		-	1.8	2.2	-
Amplitude ripple (2300~2400 MHz)	dB	-	1.3	2.2	-
Attenuation					
10 ~ 1605.89 MHz	dB	40	45	-	-
880 ~ 960 MHz	dB	45	48	-	-
1805 ~ 1830 MHz	dB	45	50	-	-
1830 ~ 1850 MHz	dB	45	50	-	-
1880 ~ 1920 MHz	dB	41	44	-	
1880 ~ 1920 MHz	dB	41	44		
2010 ~ 2025 MHz	dB	35	40		
2110 ~ 2170 MHz	dB	25	30	-	
2423 ~ 2441 MHz	dB	12	25	-	
2428 ~ 2446 MHz	dB	15	18	-	
2433 ~ 2451 MHz	dB	15	18		
2438 ~ 2481 MHz	dB	18	22	-	-
2481 ~ 2500 MHz	dB	30	35	-	-
2500 ~ 2690 MHz	dB	30	35	-	-
4600 ~ 4800 MHz	dB	20	23	-	-
Package size	mm	SMD 1.1x0.9			

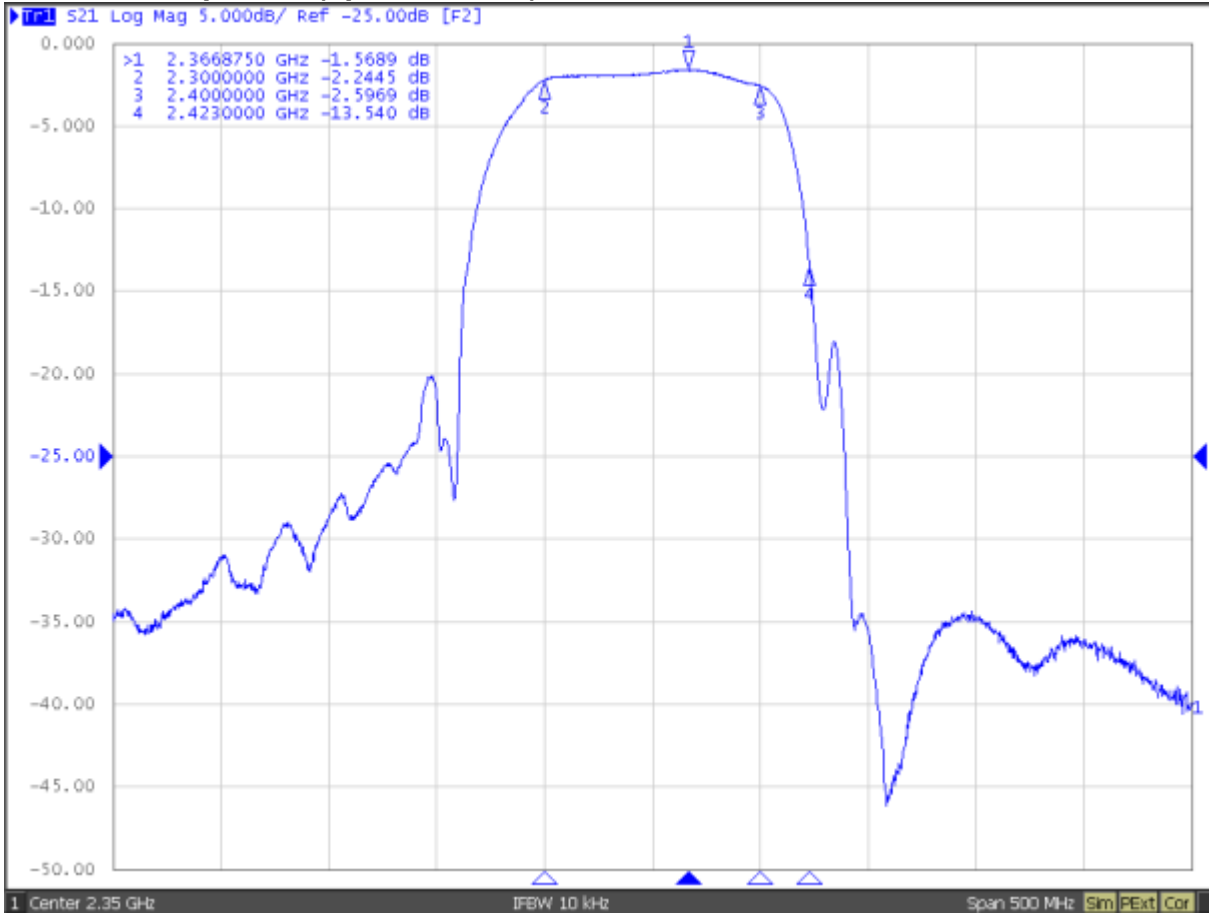
CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.



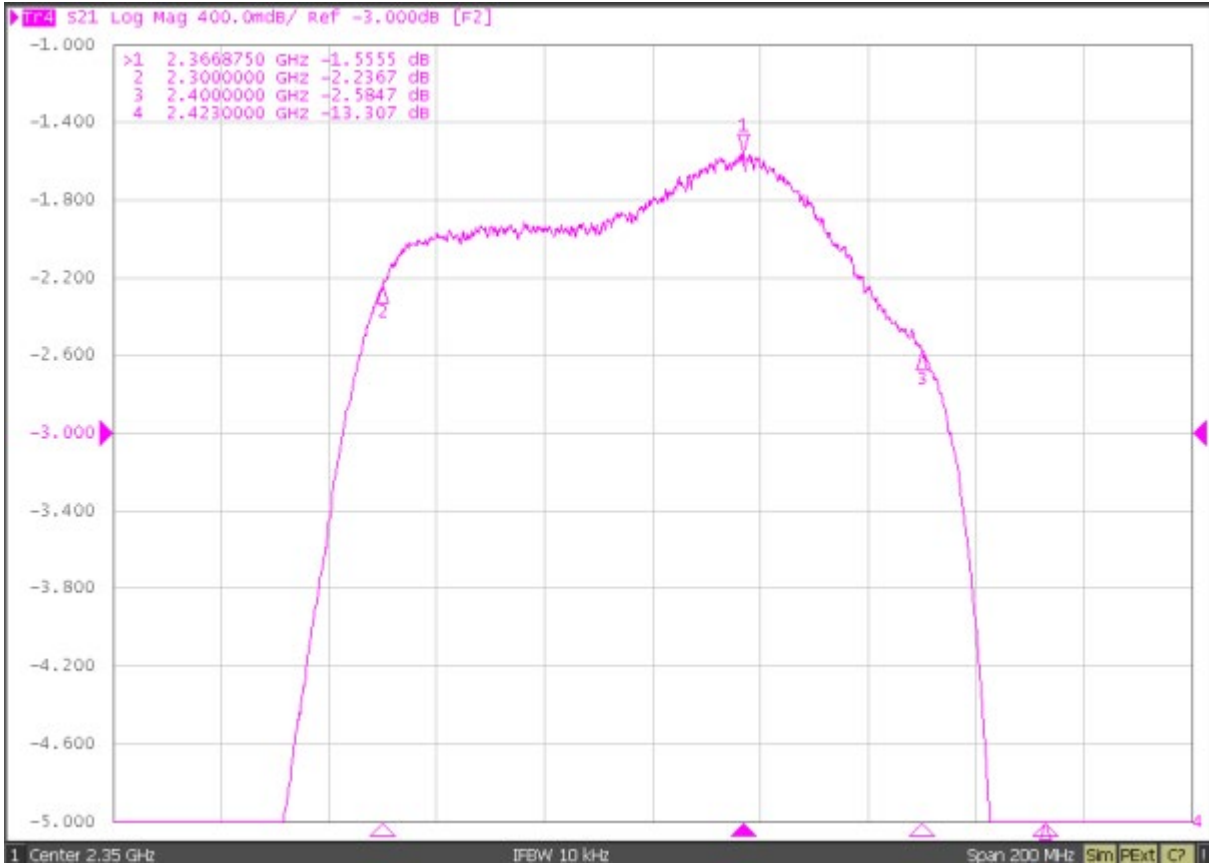
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

FREQUENCY CHARACTERISTICS

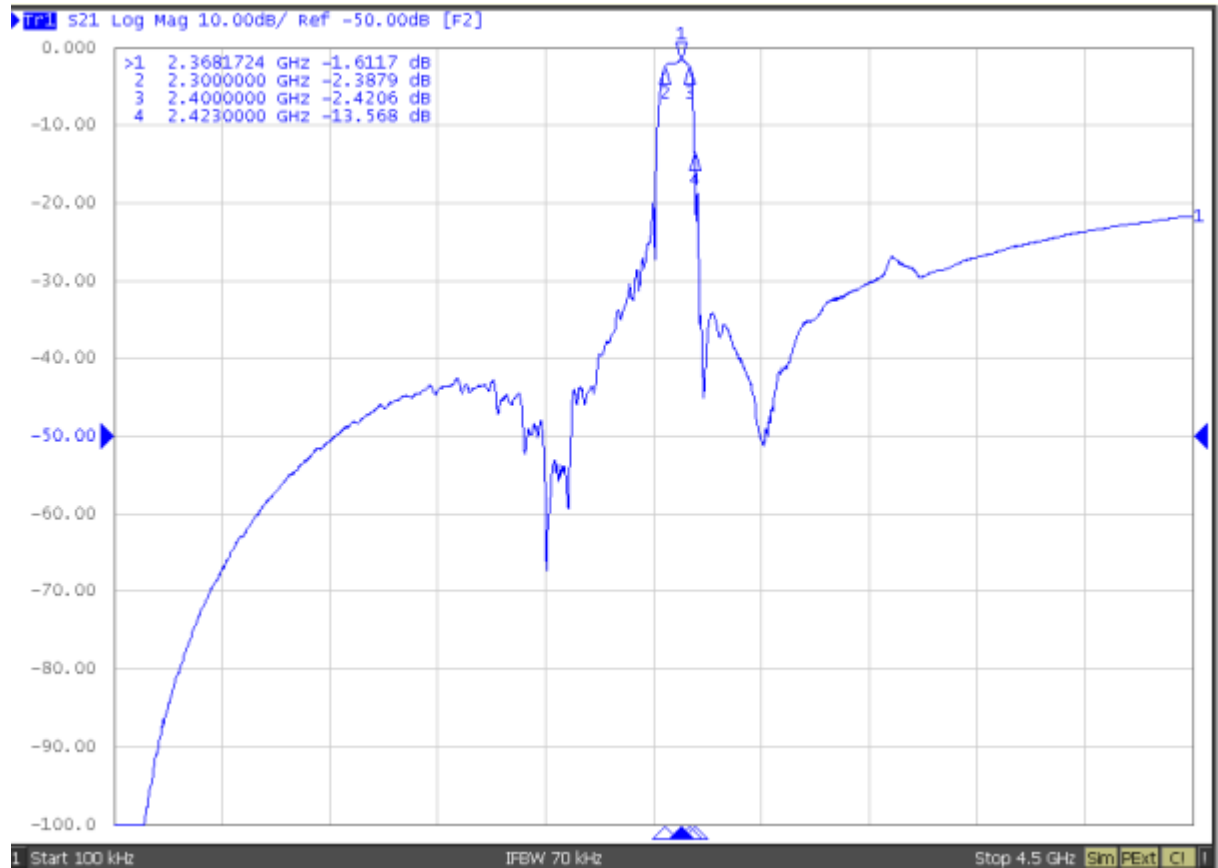
S21 response: (span 500MHz)



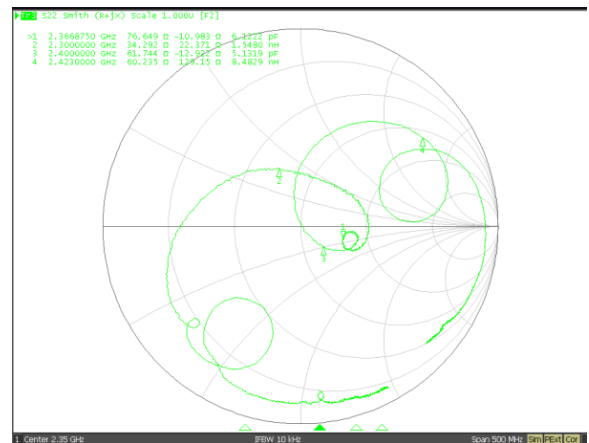
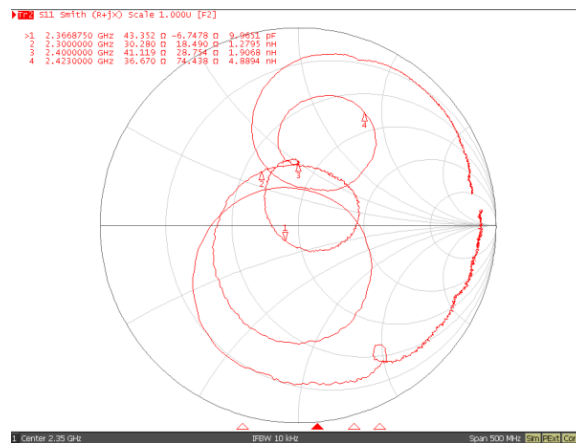
S21 response: (span 200MHz)



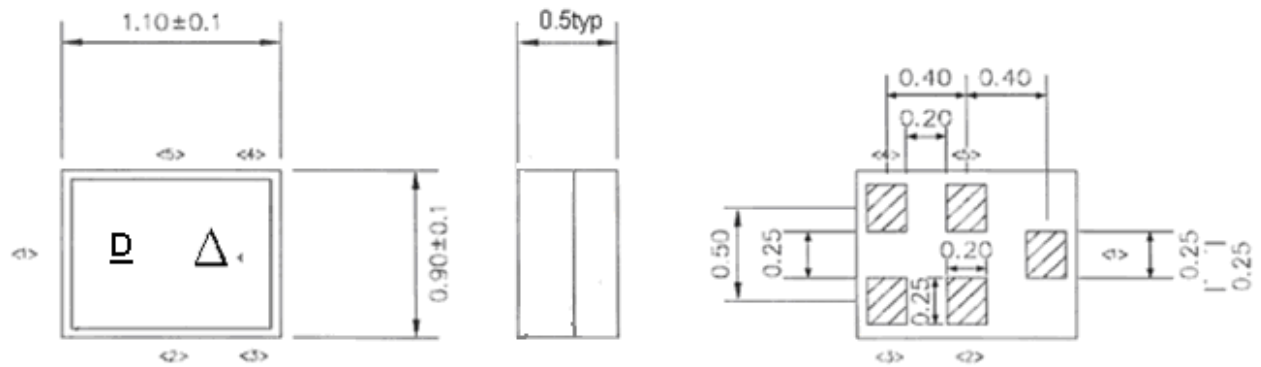
S21 response: (span 4.5GHz)



S11/S22 response:



OUTLINE DRAWING

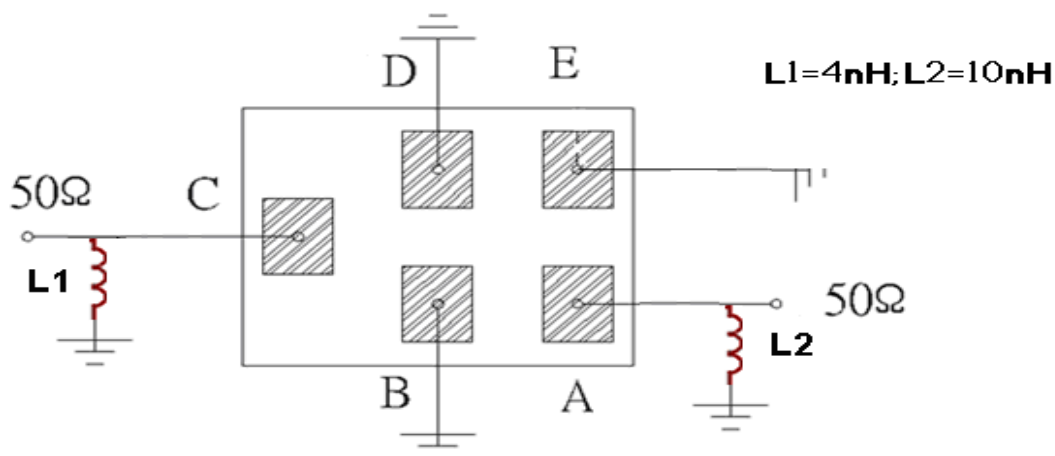


Unit: mm

Pin No.	Symbol	Function
1	IN	Unbalanced pin
2	GND	Ground
3	GND	Ground
4	OUT	Unbalanced pin
5	GND	Ground

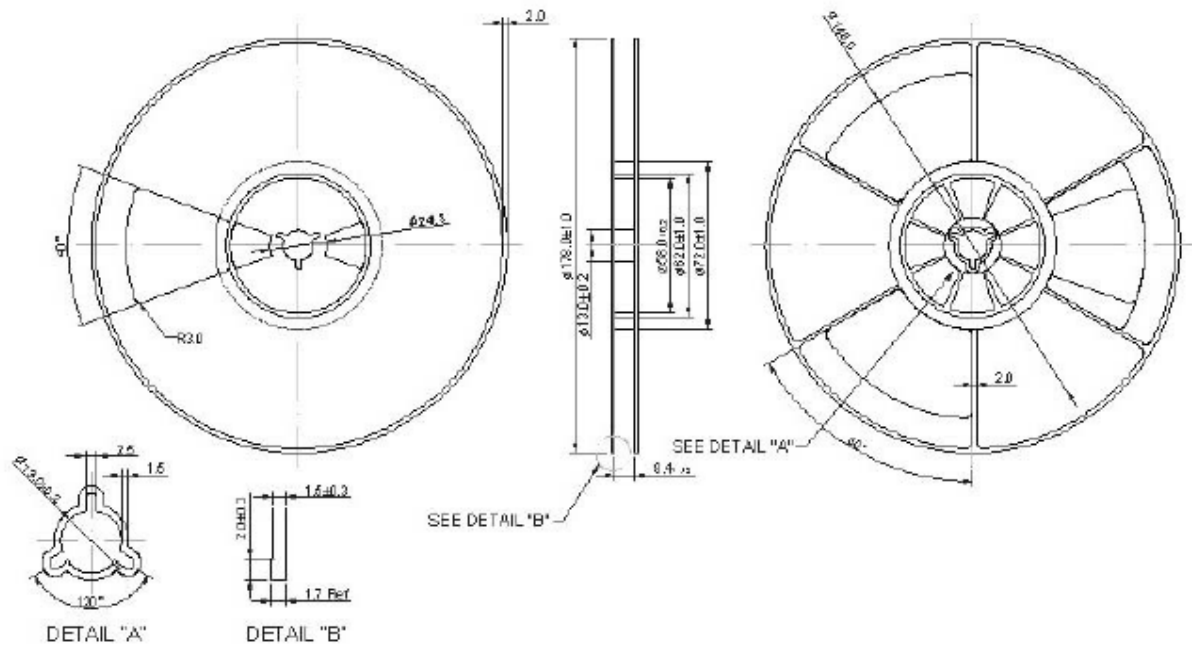
YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	A	B	C	D	E	F	G	H	J	K	L	M
2018	N	P	Q	R	S	T	U	V	W	X	Y	Z
2019	a	b	c	d	e	f	g	h	j	k	l	m
2020	n	p	q	r	s	t	u	v	w	x	y	z

MEASUREMENT CIRCUIT

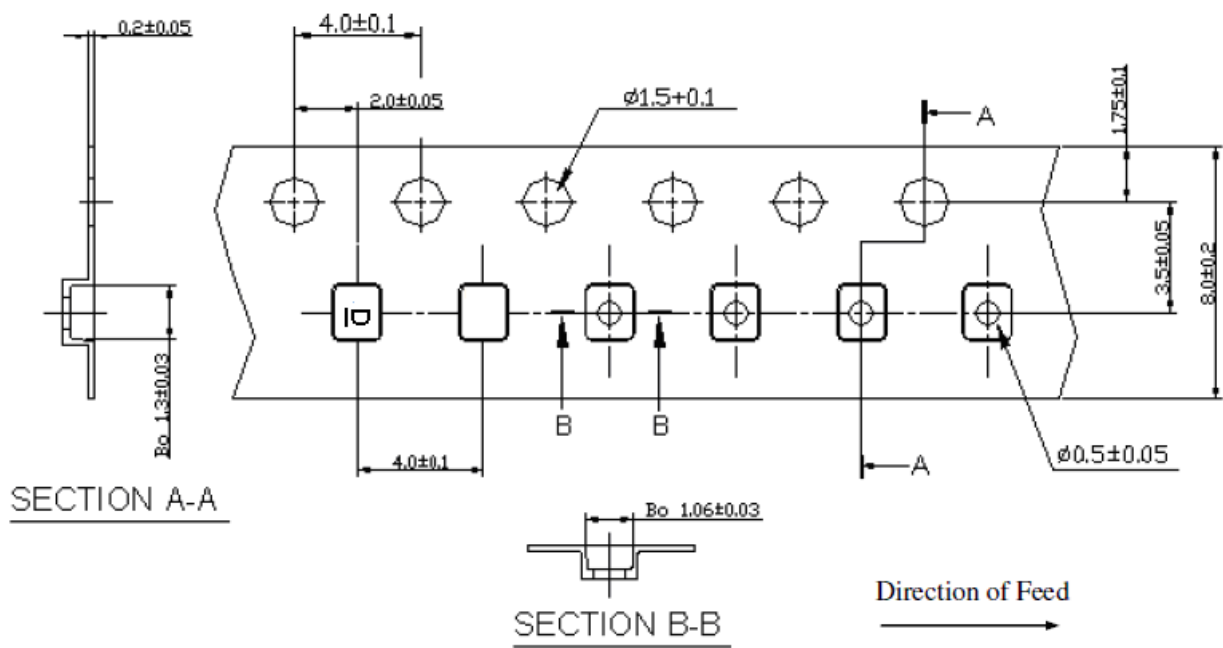


PACKING
REEL DIMENSION

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.

