RFMi
BRAND OF AKOUSTIS

RoHS compliant

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

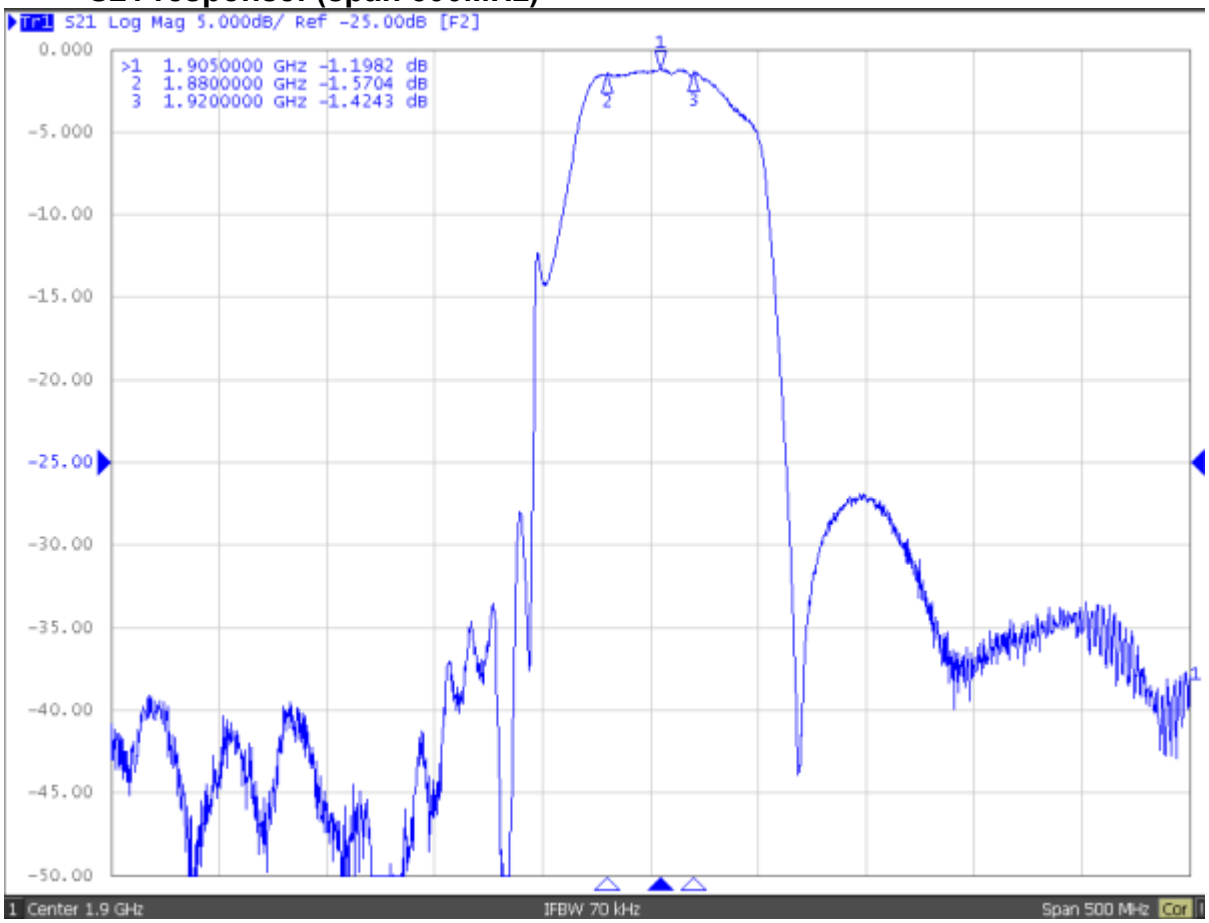
Item	Unit	Min.	Type.	Max.	Note
Center Frequency (Fc)	MHz	-	1900	-	-
Insertion Loss (1880~1920 MHz) **IL**	dB	-	1.4	2	-
VSWR (1880~1920 MHz)		-	1.4	2	
Amplitude ripple (1880~1920 MHz)	dB	-	0.5	1.4	-
Attenuation					-
10 ~ 1710 MHz	dB	30	35	-	
1710 ~ 1805 MHz	dB	35	43	-	-
1805 ~ 1840 MHz	dB	25	30	-	-
1840 ~ 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.

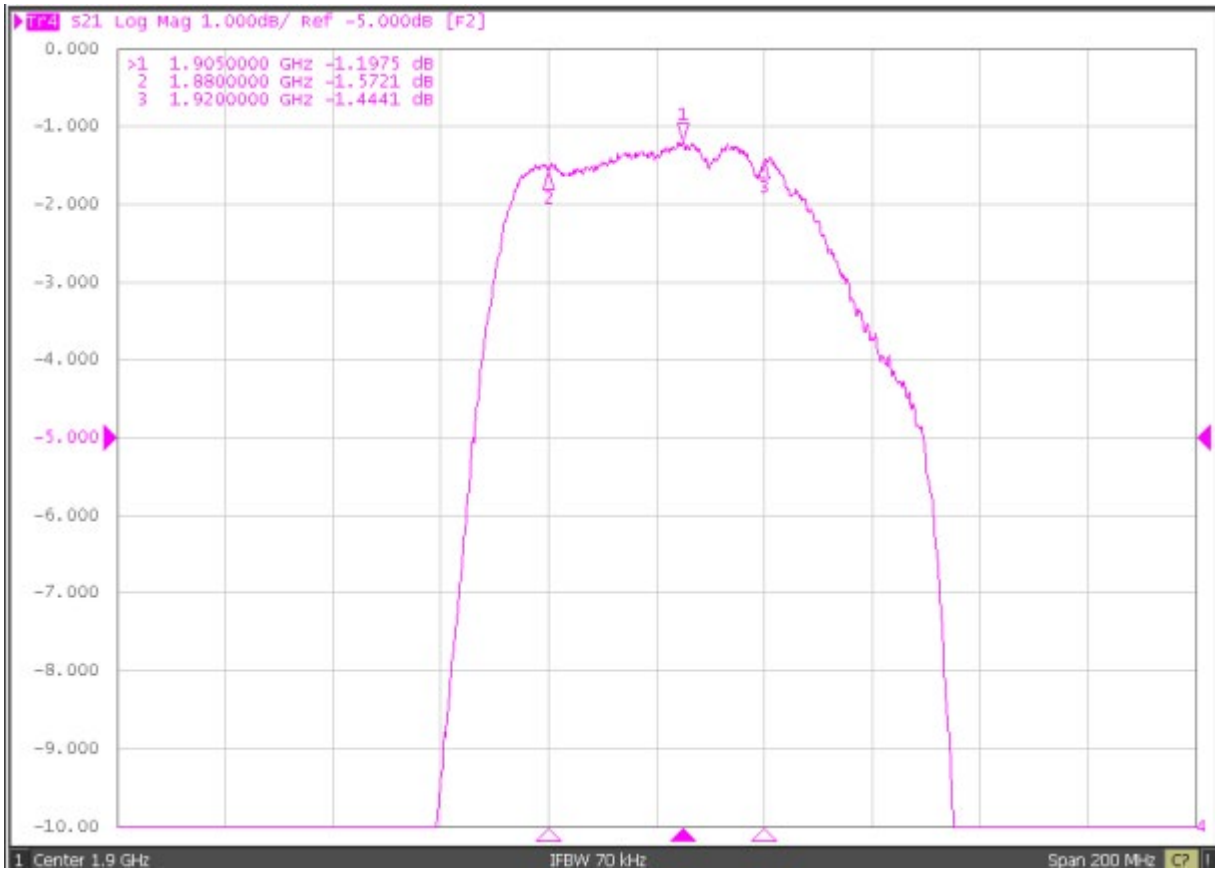
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

FREQUENCY CHARACTERISTICS

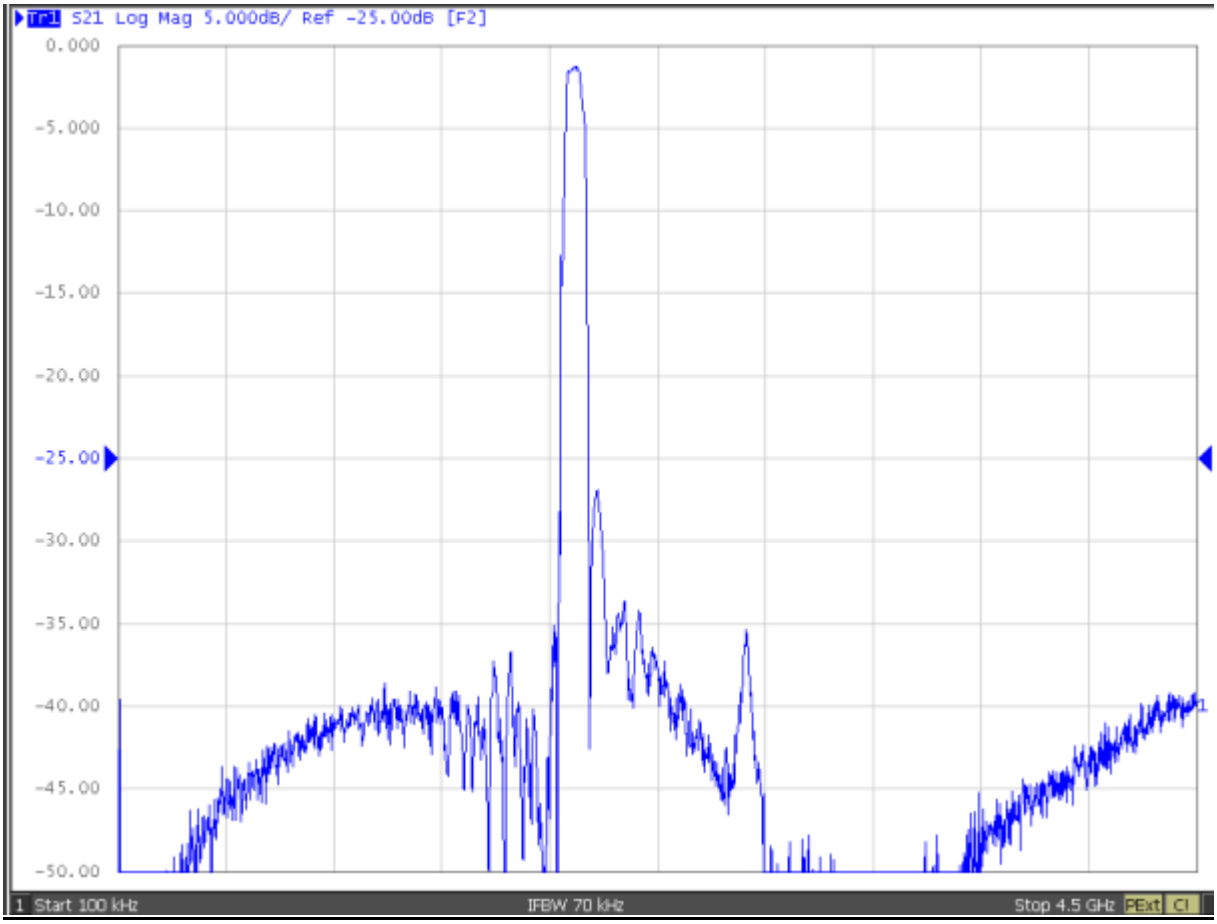
S21 response: (span 500MHz)



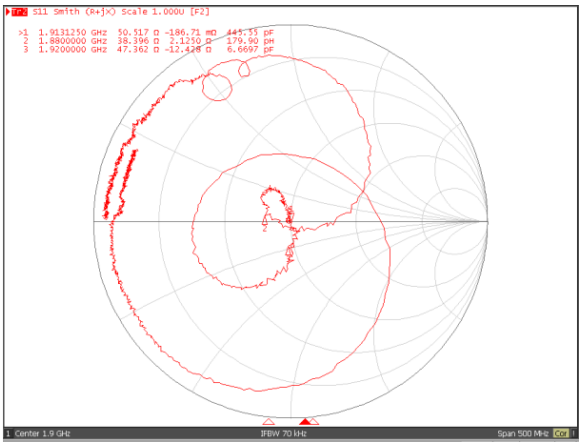
S21 response: (span 200MHz)

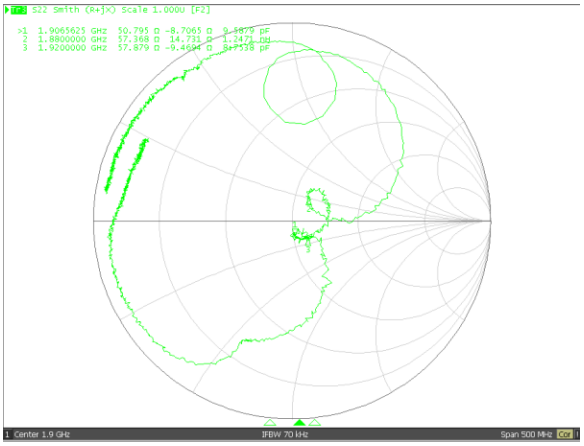


S21 response: (span 4.5GHz)

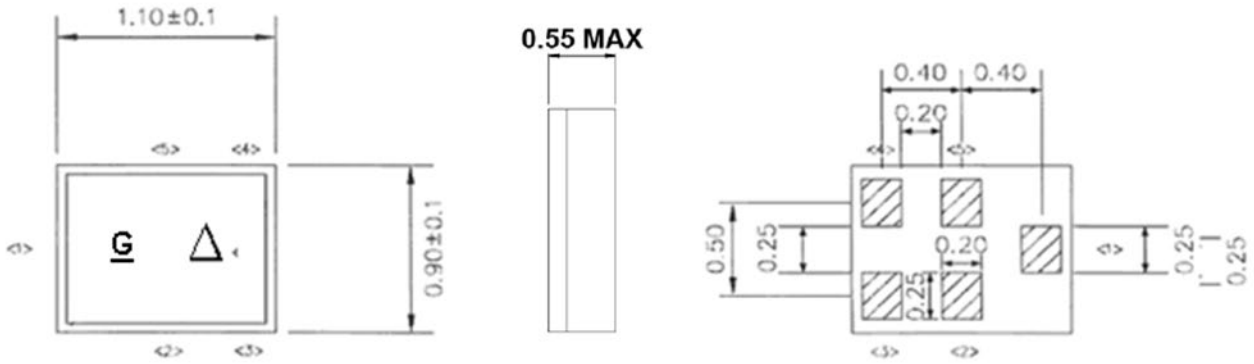


S11/S22 response:





OUTLINE DRAWING



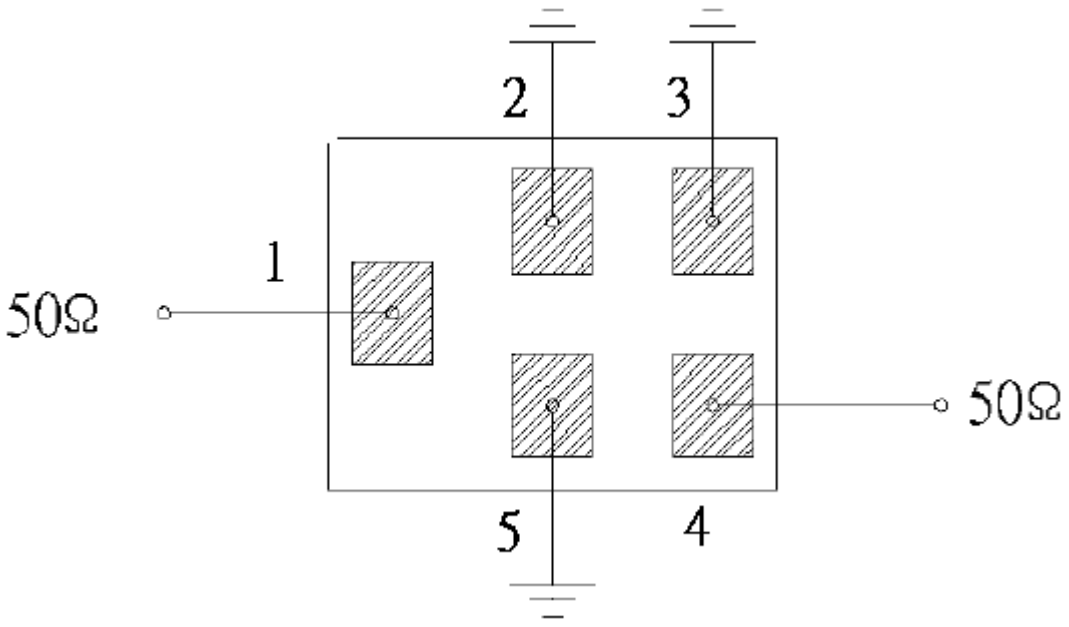
Unit: mm

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	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**_**	**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**

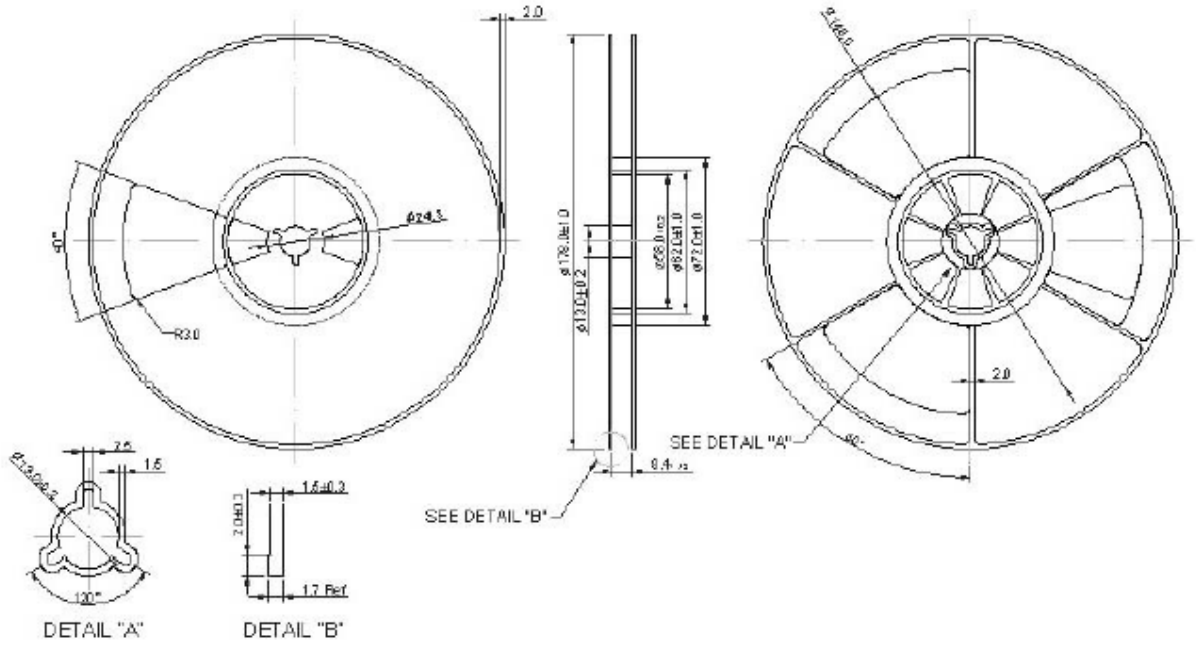
MEASUREMENT CIRCUIT



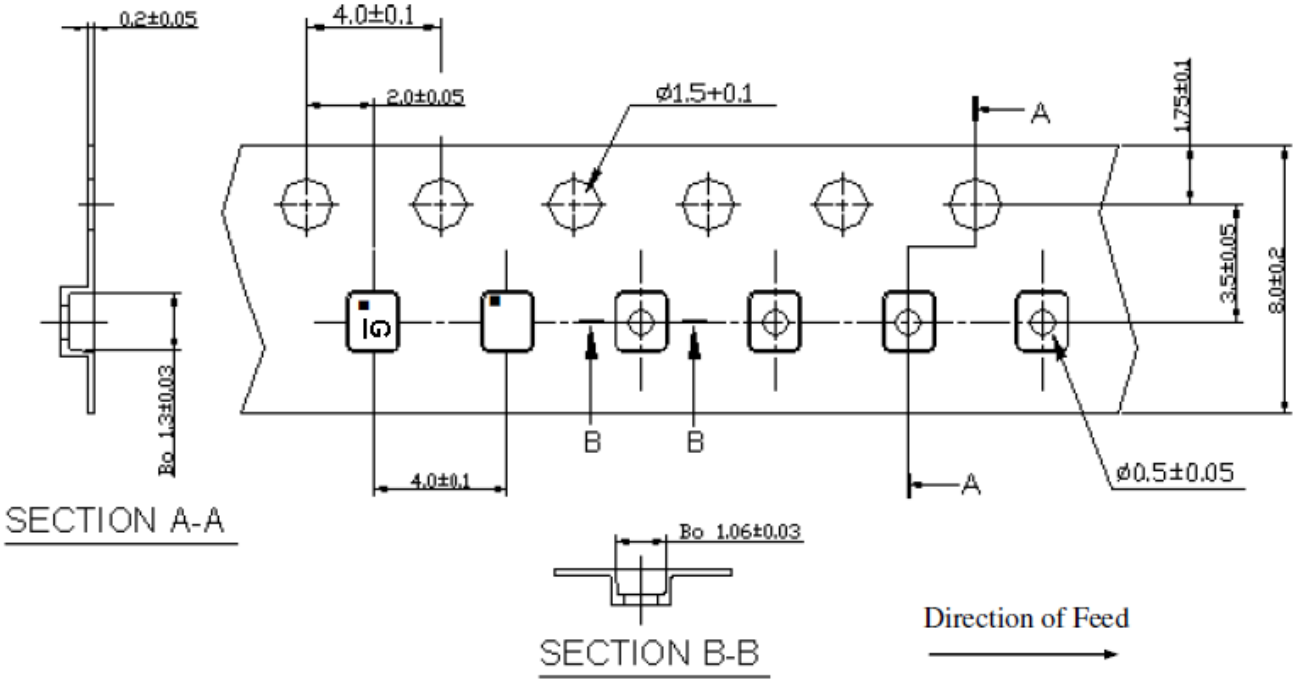
PACKING

REEL DIMENSION

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



TAPE DIMENSION



RECOMMENDED REFLOW PROFILE

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