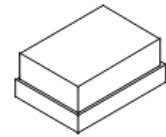


SF2741K

**1740 MHz
SAW Filter**



SM1411-5

MAXIMUM RATING:

- Input Power Level: 10 dBm
- DC Voltage : 0V
- Operating Temperature: -30°C to +85°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: Level 3(MSL3)

ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single) : $Z_s = 50 \Omega$

Terminating load impedance(single) : $Z_L = 50 \Omega$

Item	Unit	Min	Type.	Max	Note
Center Frequency Fc	MHz	-	1740	-	
Insertion Loss (1710~1770 MHz) IL	dB		1.5	2.7	
Amplitude ripple (1710~1770 MHz)			0.7	1.8	
VSWR (1710~1770 MHz)			2.0	2.5	
Attenuation					
800 ~ 1355 MHz	dB	30	37		
1574 ~ 1577 MHz	dB	30	52		
1600 ~ 1680 MHz	dB	12	22		
1805 ~ 1880 MHz	dB	17	24		
1930 ~ 1990 MHz	dB	30	36		
2110 ~ 2170 MHz	dB	30	44		
Temperature coefficient	ppm/°C	-36			
Package size	mm	1411			

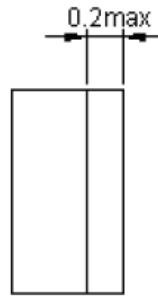
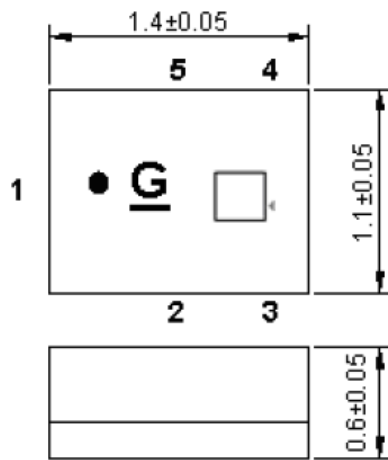


CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

NOTES:

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

OUTLINE DRAWING:



Symbol:

\underline{G} - assigned by manufacturer

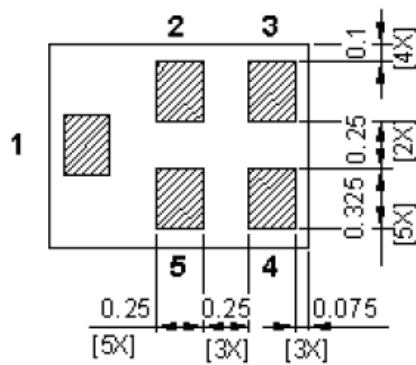
\square Year/Month code

All tolerances are +/-0.05 mm unless otherwise specified

Coplanarity : 0.1 mm max.

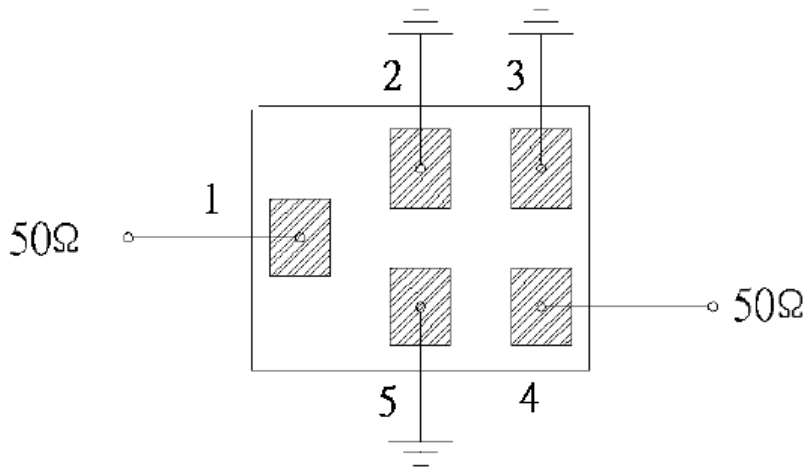
1 to 5 : Pin No.

Unit : mm

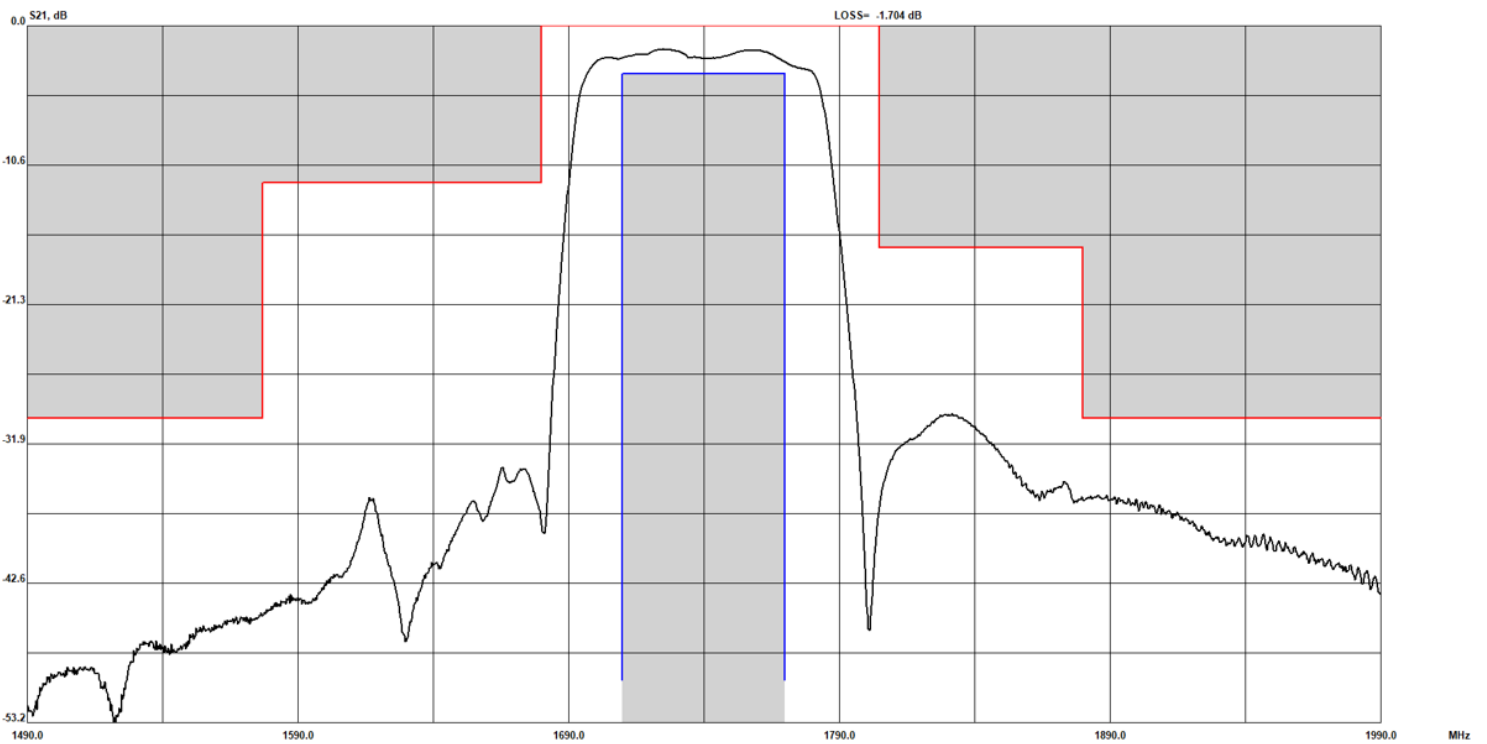


Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

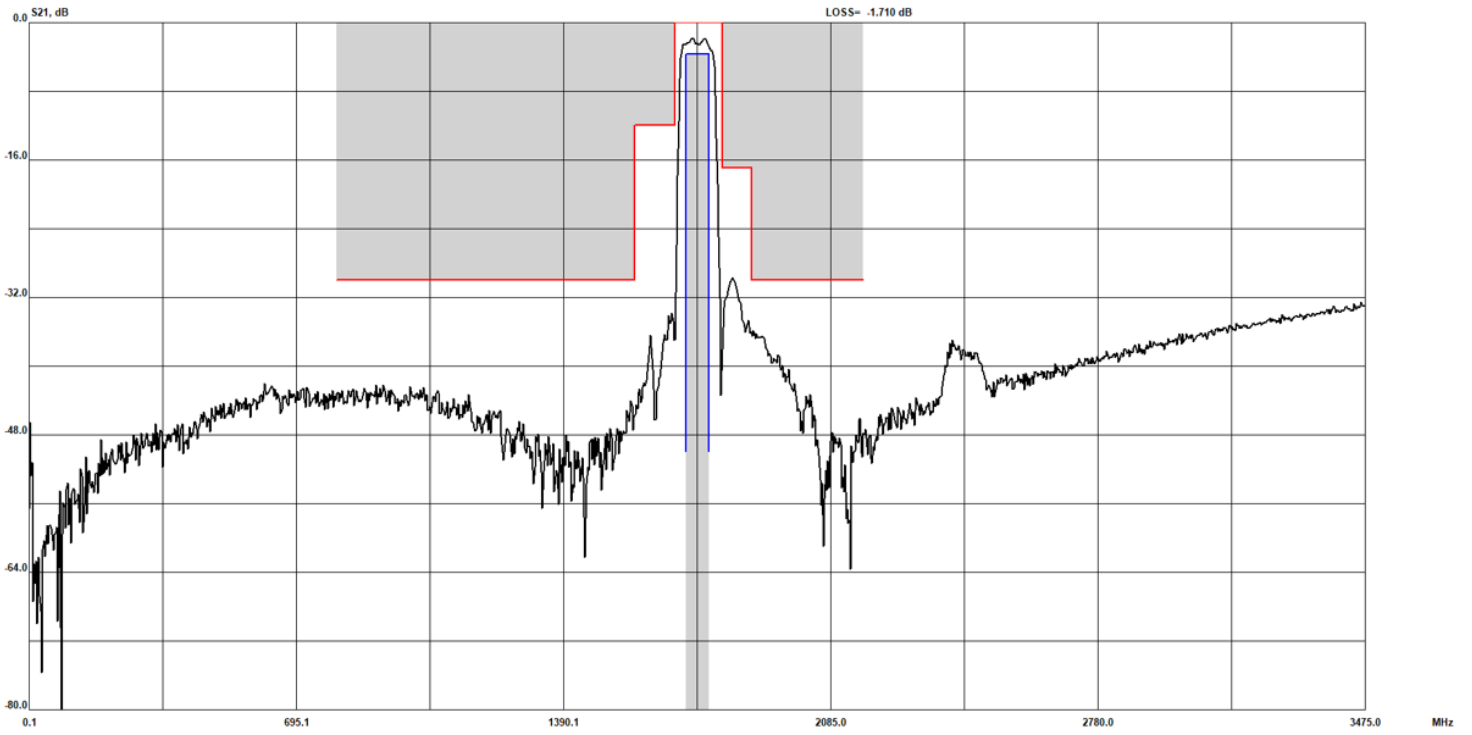
MEASUREMENT CIRCUIT:



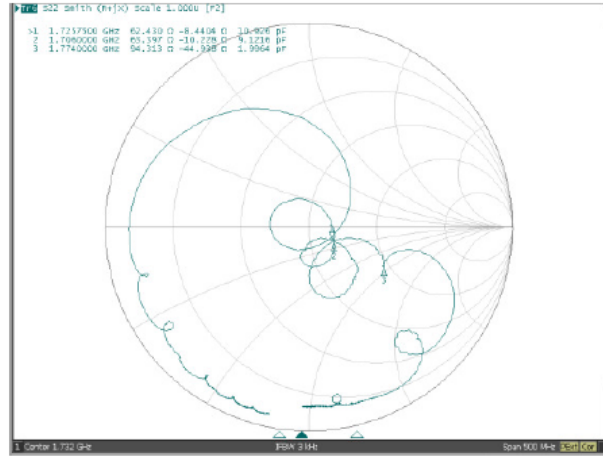
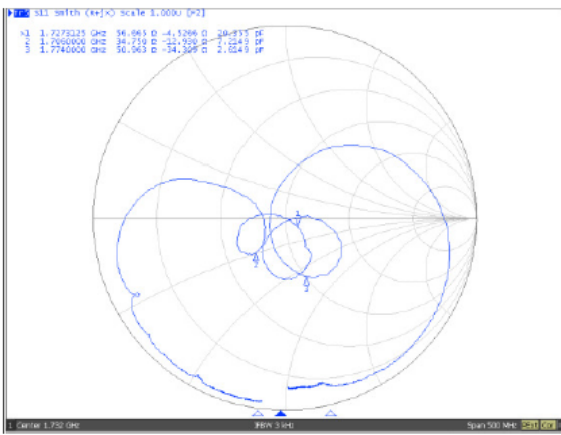
Frequency Characteristics:



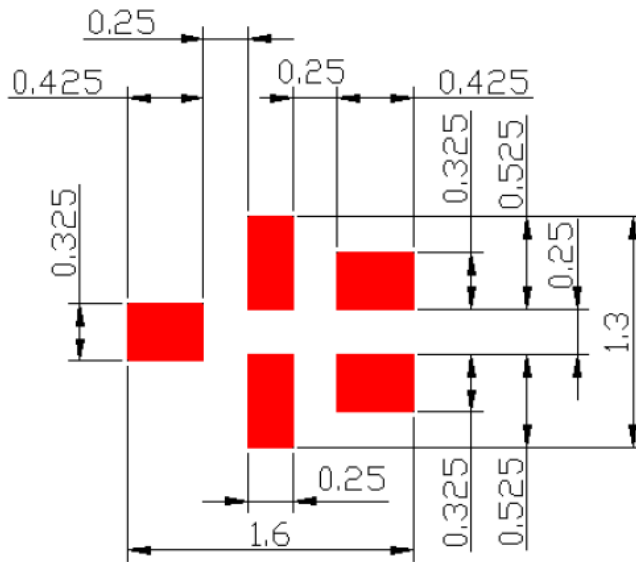
S21 Wide



S11/S22 response: (span 400MHz)



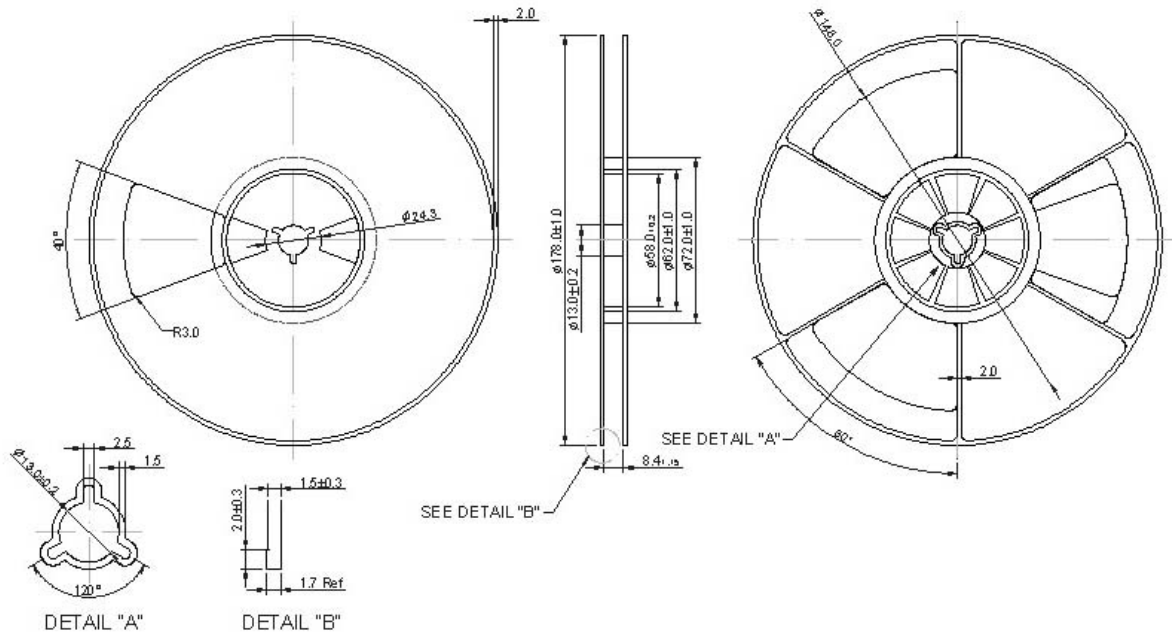
PCB Footprint:



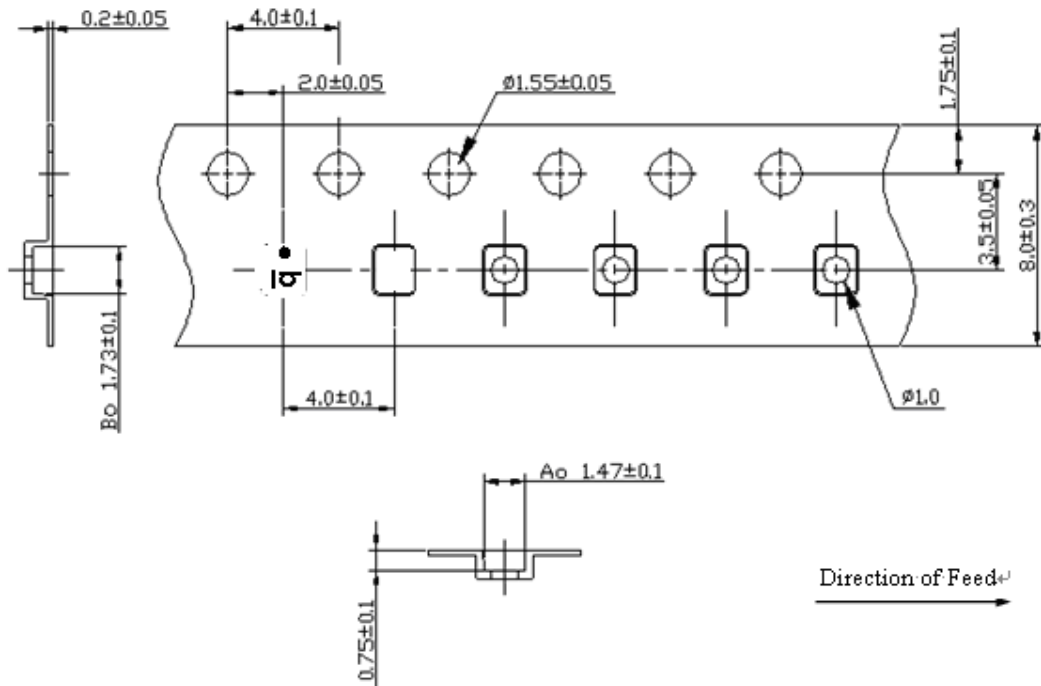
■ : Land Pattern

PACKING:
1. REEL DIMENSION

7" Reel = 3000



2. 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.

