

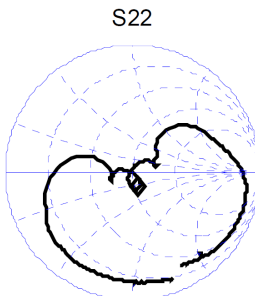
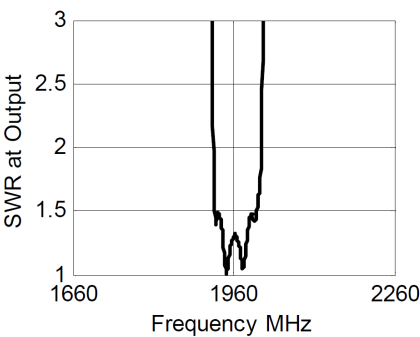
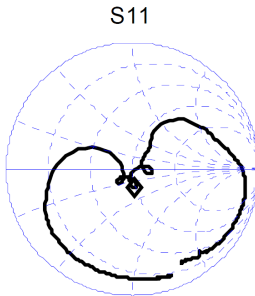
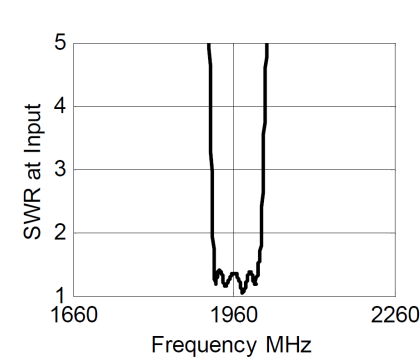
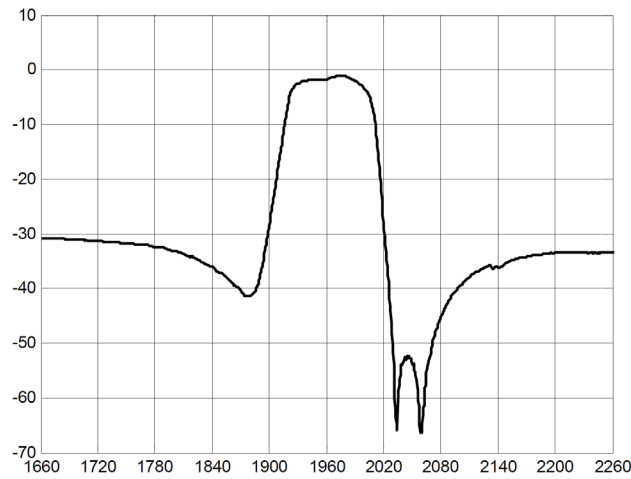
1960 MHz SAW Filter 60 MHz Bandwidth

Part Number: SF1960BA02525S

Description

- Miniature 1960 MHz surface acoustic wave (SAW) bandpass filter for front-end PCS wireless
- 3 x 3 mm ceramic LCC package
- RoHS compliant

Typical Performance



1960 MHz SAW Filter 60 MHz Bandwidth

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Specifications

Parameter	Min	Typ	Max	Units
Center Frequency F_c	-	1960	-	MHz
Bandwidth	60	-	-	MHz
Insertion Loss ¹	-	2.3	4.0	dB
Passband Amplitude Ripple ¹	-	1.4	2.5	dB
Stopband Rejection ² , DC to 1850MHz	20	32	-	dB
Stopband Rejection ² , 1850 to 1910 MHz	10	21	-	dB
Stopband Rejection ² , 2010 to 2040 MHz	4.5	10	-	dB
Stopband Rejection ² , 2040 to 2070 MHz	20	50	-	dB
Stopband Rejection ² , 2070 to 5000 MHz	22	29	-	dB
VSWR	-	1.7	2.4	dB
Terminating Impedance	50			Ω

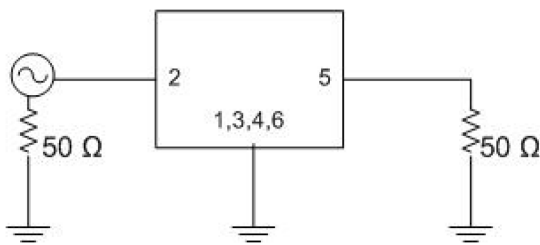
Notes

1. Within passband: 1930 to 1990 MHz.
2. Rejection relative to 0dB.

Maximum Ratings

Parameter	Min	Max	Units
Storage Temperature Range	-40	+85	$^{\circ}\text{C}$
Operating Temperature Range	-30	+80	$^{\circ}\text{C}$
Input Power Level	-	+10	dBm
Max. D. C. Voltage between Each Terminal	-	5	Volts

Matching Circuit

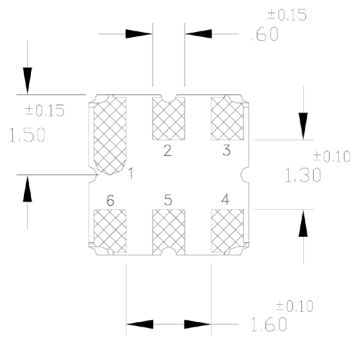
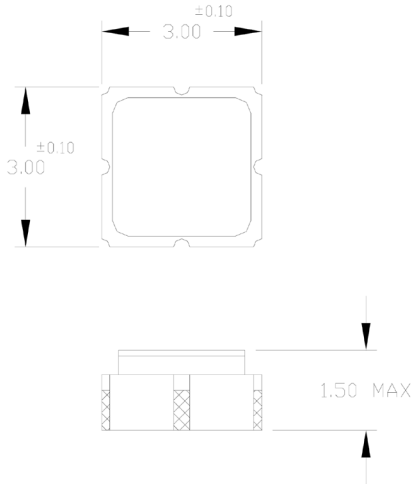


Note: Matching components are not required; 50 ohm single-ended system.

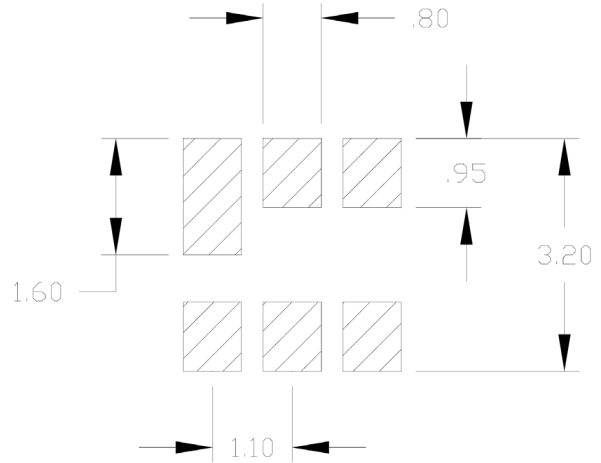
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Package Outline



Suggested Footprint



Package Material:

Body: Al_2O_3

Lid: Kovar, Ni plated

Terminations: Au plating 1 μm min, over a 1.3-8.9 μm Ni plating

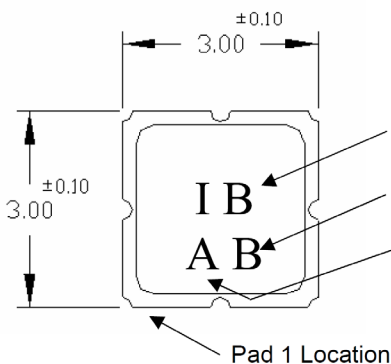
Unit: mm

Tolerances are ± 0.15 mm except for the overall length and width, which are nominal values.

Pad Configuration:

Input:	2
Output:	5
Ground:	1,3,4,6

Marking



Model Identification: IB = SF1960BA02525S

Week Code: A through Z followed by a through z equals 52 weeks.

Year Code: A = 2001, B=2002, C=2003, to J=2010 (Code A through J repeats every 10 years)

ISO 9001
Registered