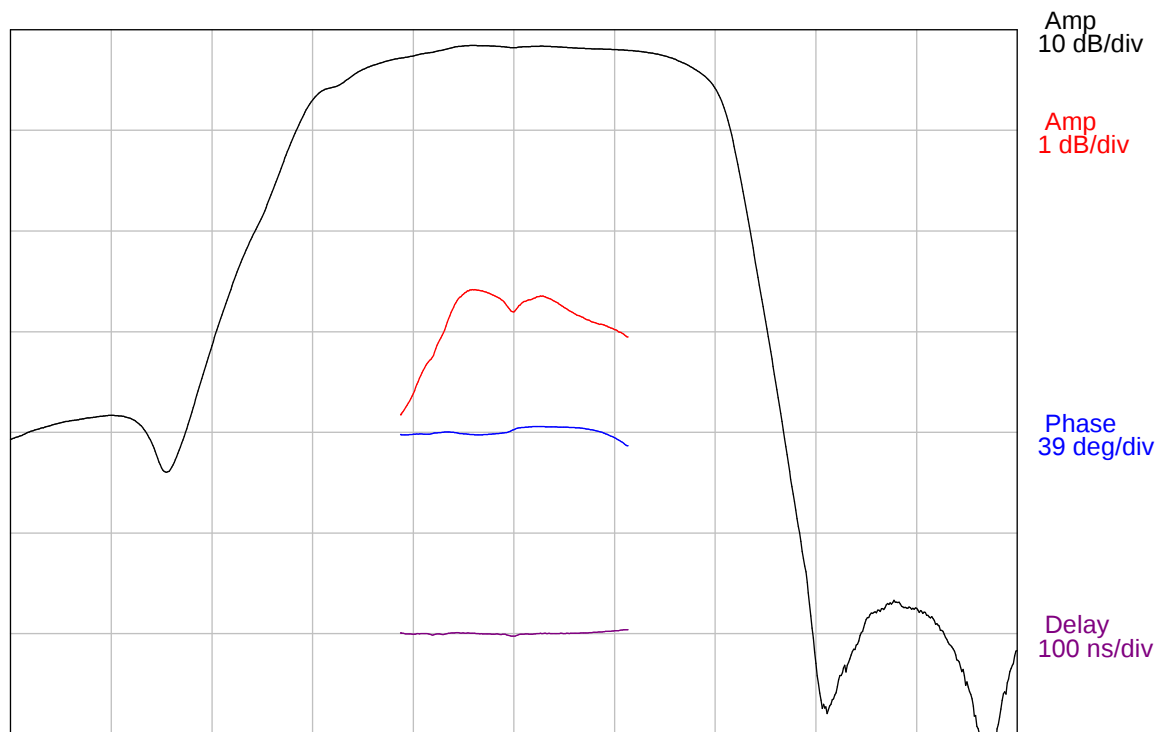


DESCRIPTION

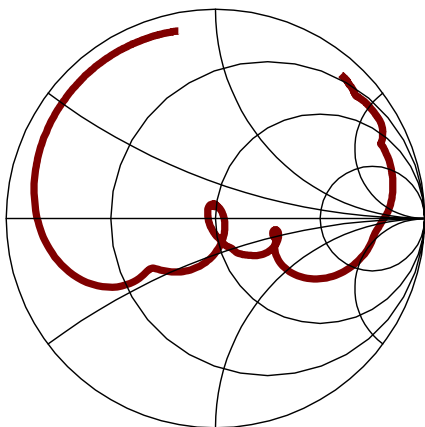
- 2132.5 MHz SAW bandpass filter with 45 MHz bandwidth.
- 3 x 3 mm ceramic LCC package, 6 pads.
- RoHS compliant.

TYPICAL PERFORMANCE

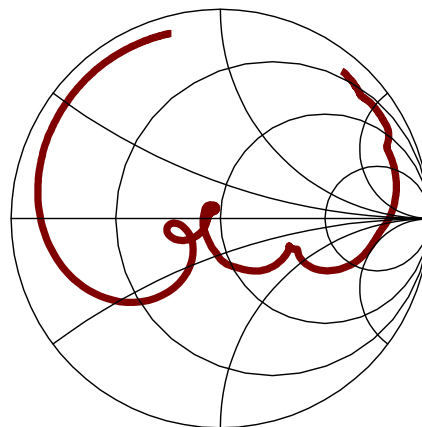


Center = 2132.5 MHz, 20 MHz/div (250 kHz incr)

S11 (2032.5-2232.5 MHz)



S22 (2032.5-2232.5 MHz)



SPECIFICATION

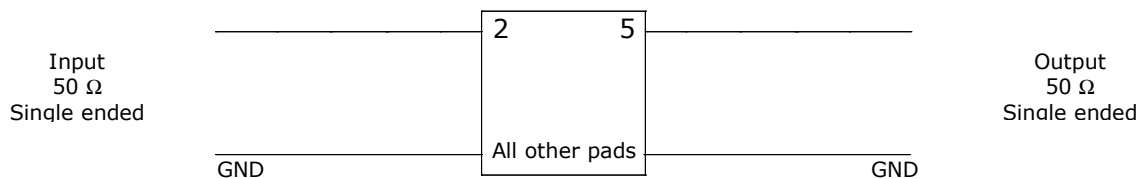
Parameter	Min	Typ	Max	Units
Center Frequency, F_c ¹	-	2132.5	-	MHz
Insertion Loss (2110 – 2155 MHz)	-	2.4	3.7	dB
Amplitude Ripple (2110 - 2155 MHz)	-	0.9	2	dB p-p
Relative Attenuation (1800 - 2070 MHz) ²	25	34	-	dB
Relative Attenuation (2195 - 2400 MHz) ²	25	40	-	dB
VSWR (2110 – 2155 MHz)	-	1.6	2.5	:1
Source and Load Impedance	50			ohms
Ambient Temperature	25			°C

Notes: 1. Reference frequency. Computed as mean of the 3 dB frequencies.
2. All dB values are referenced to 0 dB

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range	-30	85	°C
Input Power Level	-	+13	dBm

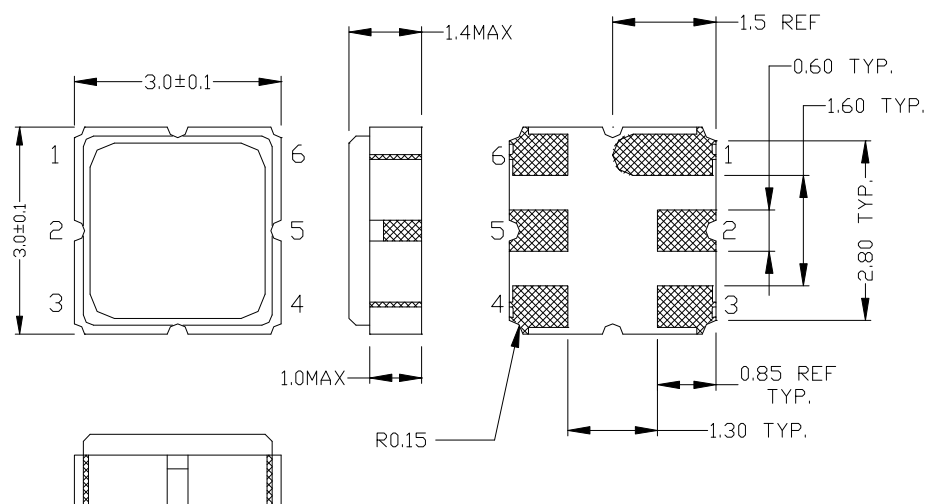
MATCHING CIRCUIT



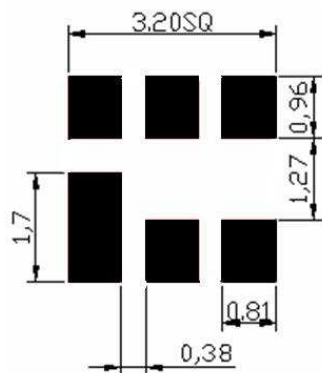
Notes:

- External matching components are not required.
- Device is intended to operate in a 50 Ω single ended system.

PACKAGE OUTLINE



SUGGESTED FOOTPRINT



Units: mm

Tolerances are ±0.15 mm except where indicated.

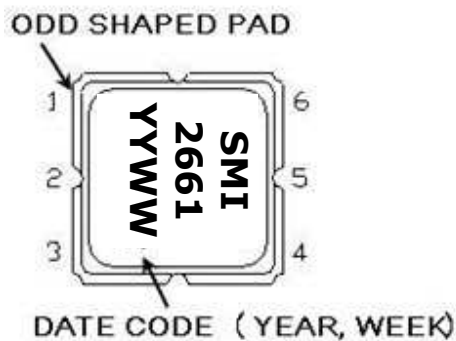
Pad Configuration:

Input: 2
Output: 5
Ground: All other pads

Package Material:

Body: Al_2O_3 ceramic
Lid: Kovar, Ni plated
Terminations: Au plating 1 µm min, over a 1.3-8.9 µm Ni plating

MARKING



ISO 9001
Registered

All specifications are believed to be accurate and reliable. However, Spectrum Microwave reserves the right to make changes without notice.
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