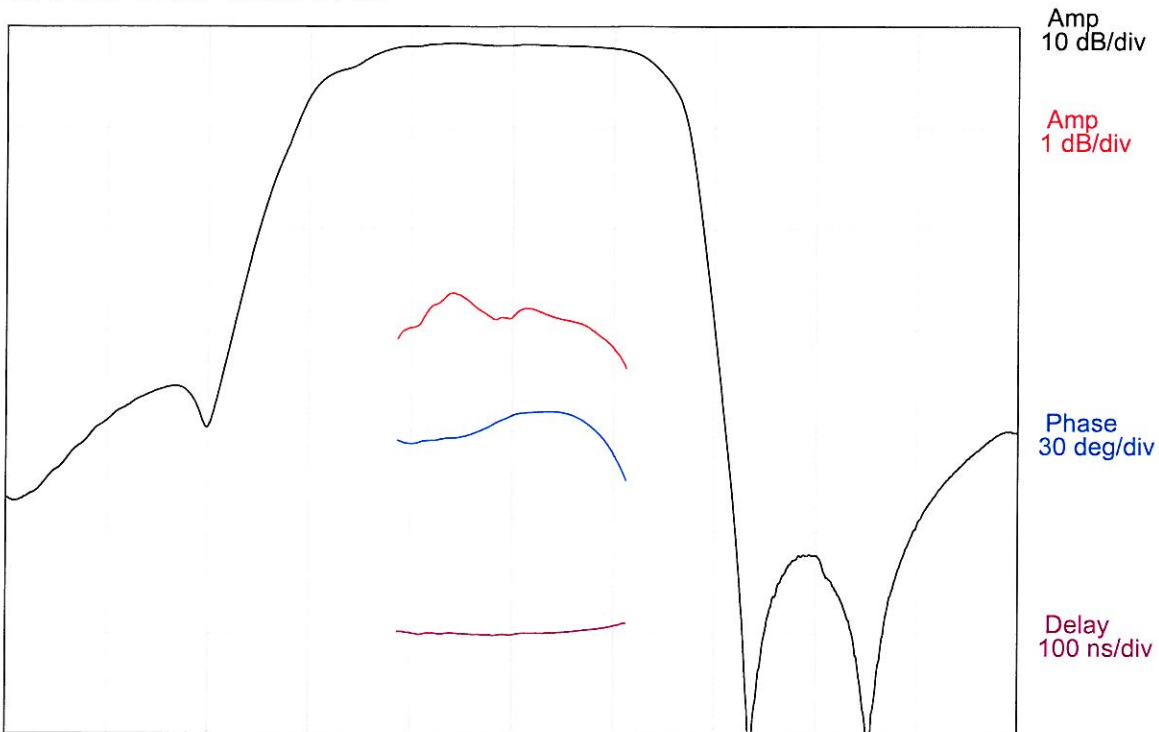


DESCRIPTION

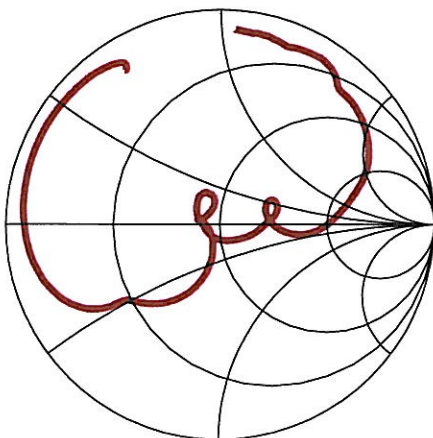
- 1732.5 MHz SAW bandpass filter with 45 MHz bandwidth.
- 3 x 3 mm ceramic LCC package with 6 pads.
- RoHS compliant.

TYPICAL PERFORMANCE

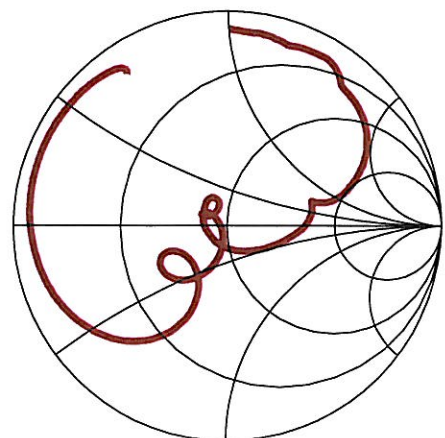


Center = 1732.5 MHz, 20 MHz/div (250 kHz incr)

S11 (1632.5-1832.5 MHz)



S22 (1632.5-1832.5 MHz)



SPECIFICATION

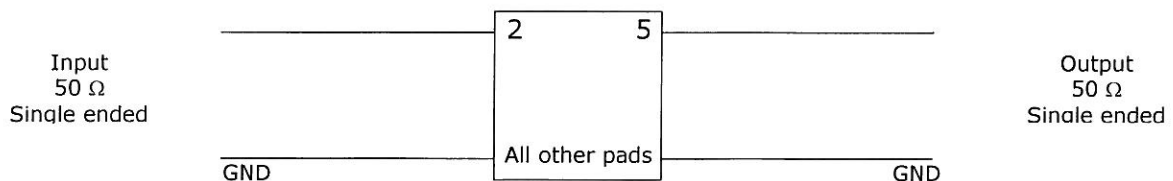
Parameter	Min	Typ	Max	Units
Center Frequency, F_c ¹	-	1732.5	-	MHz
Insertion Loss (1710 - 1755 MHz)	-	2.5	3.5	dB
Amplitude Ripple (1710 - 1755 MHz)	-	1.1	2	dB p-p
Relative Attenuation (1500 - 1670 MHz) ²	25	31	-	dB
Relative Attenuation (1795 - 2000 MHz) ²	25	33	-	dB
VSWR (1710 - 1755 MHz)	-	1.6	2.5	:1
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	95	°C
Operating Temperature Range	-30	85	°C
Input Power Level	-	+13	dBm

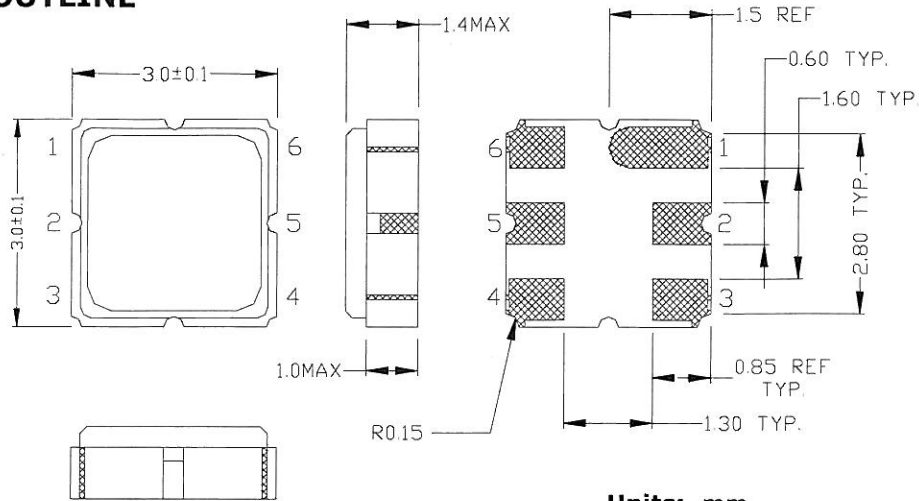
MATCHING CIRCUIT



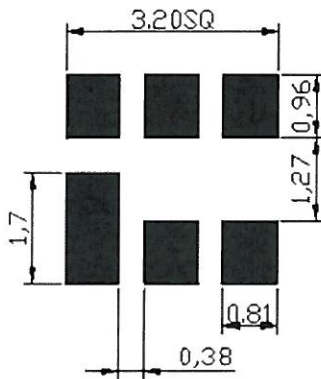
Notes:

- 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:

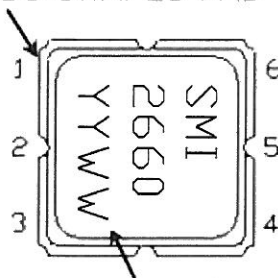
Input: 2
Output: 5
Ground: All other pads

Package Material:

Body: Al_2O_3 ceramic
Lid: Kovar, Ni plated
Terminations: Au plating $1 \mu\text{m}$ min, over a $1.3\text{-}8.9 \mu\text{m}$ Ni plating

MARKING

ODD SHAPED PAD



DATE CODE (YEAR, WEEK)

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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