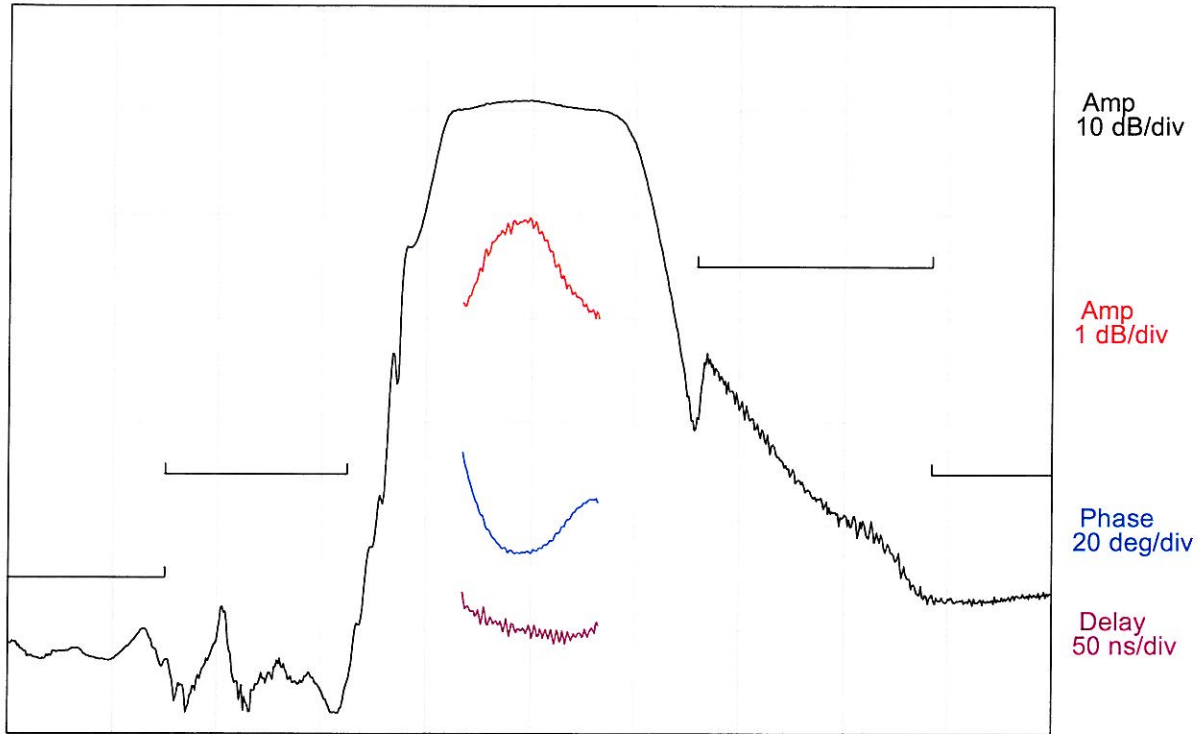


DESCRIPTION

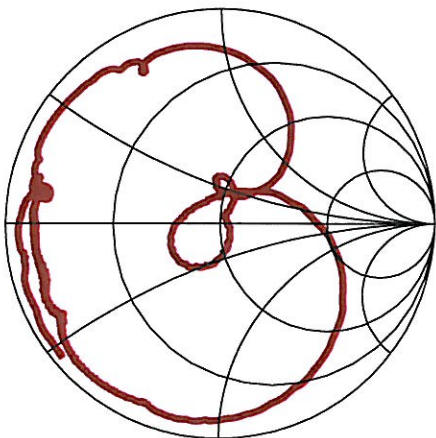
- 915 MHz SAW filter with 26 MHz bandwidth.
- 3 x 3 mm ceramic LCC package with 6 pads.
- RoHS compliant.

TYPICAL PERFORMANCE

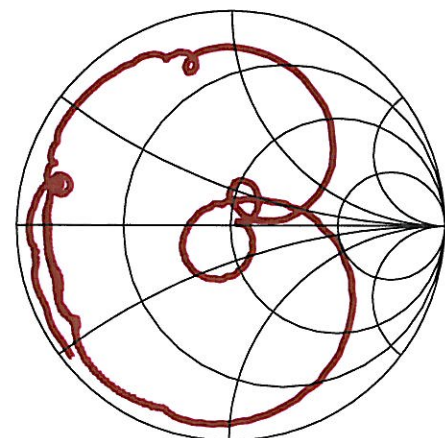


Center = 915 MHz, 20 MHz/div (268.8 kHz incr)

S11 (815-1015 MHz)



S22 (815-1015 MHz)



SPECIFICATION

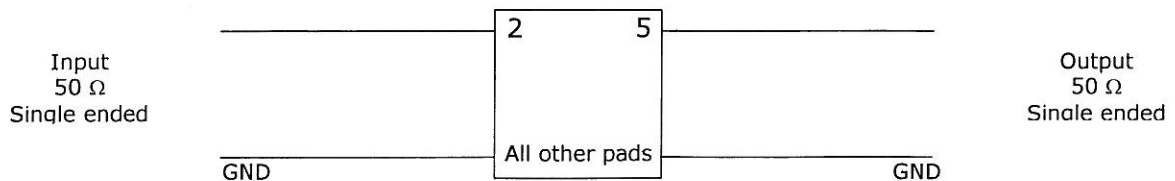
Parameter	Min	Typ	Max	Units
Center Frequency (F_c) ¹	-	915.0	-	MHz
Bandwidth (3dB)	26	34	-	MHz
Insertion Loss ²	-	2.8	3.3	dB
Passband Amplitude Ripple ²	-	1.1	1.5	dB
Stopband Rejection, 10-800 MHz	50	55	-	dB
Stopband Rejection, 800-845 MHz	45	50	-	dB
Stopband Rejection, 845-880 MHz	35	40	-	dB
Stopband Rejection, 947-992 MHz	15	18	-	dB
Stopband Rejection, 992-1020 MHz	35	40	-	dB
Stopband Rejection, 1020-1200 MHz	45	50	-	dB
Temperature Coefficient of Frequency	-30			ppm/°K
Source and Load Impedance	50 Ω // 0 nF			

- Notes: 1. Fixed reference point.
2. Evaluated over 902 to 928 MHz.

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range	-10	70	°C
Input Power Level	-	10	dBm
DC Voltage	-	10	Volts

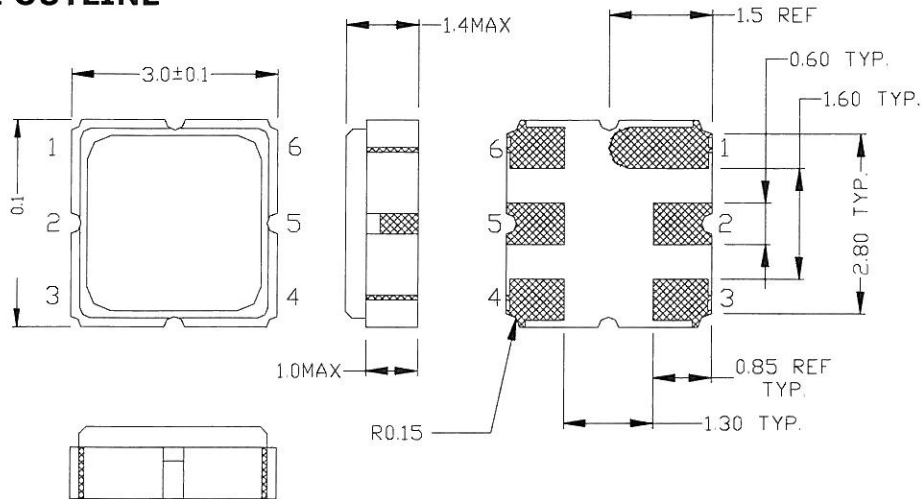
MATCHING CIRCUIT



Notes:

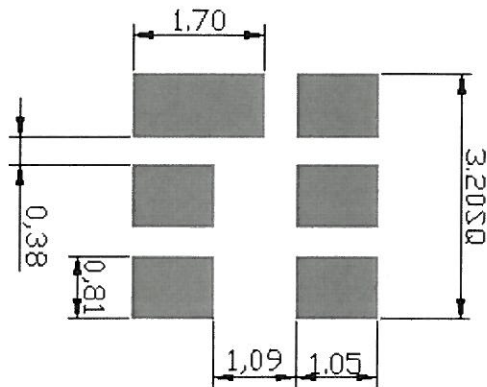
- External matching components are not required.
- Device is intended to operate in a 50 Ω single ended system.

PACKAGE OUTLINE



Units: mm

SUGGESTED FOOTPRINT



Typical tolerances are ± 0.15 mm except where indicated.

Pad Configuration:

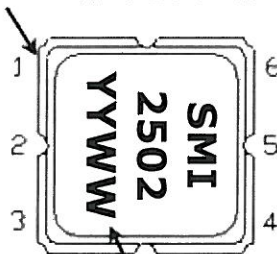
Input: 2
Output: 5
Ground: All other pads

Package Material:

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

MARKING

ODD SHAPED PAD



DATE CODE (YEAR, WEEK)



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