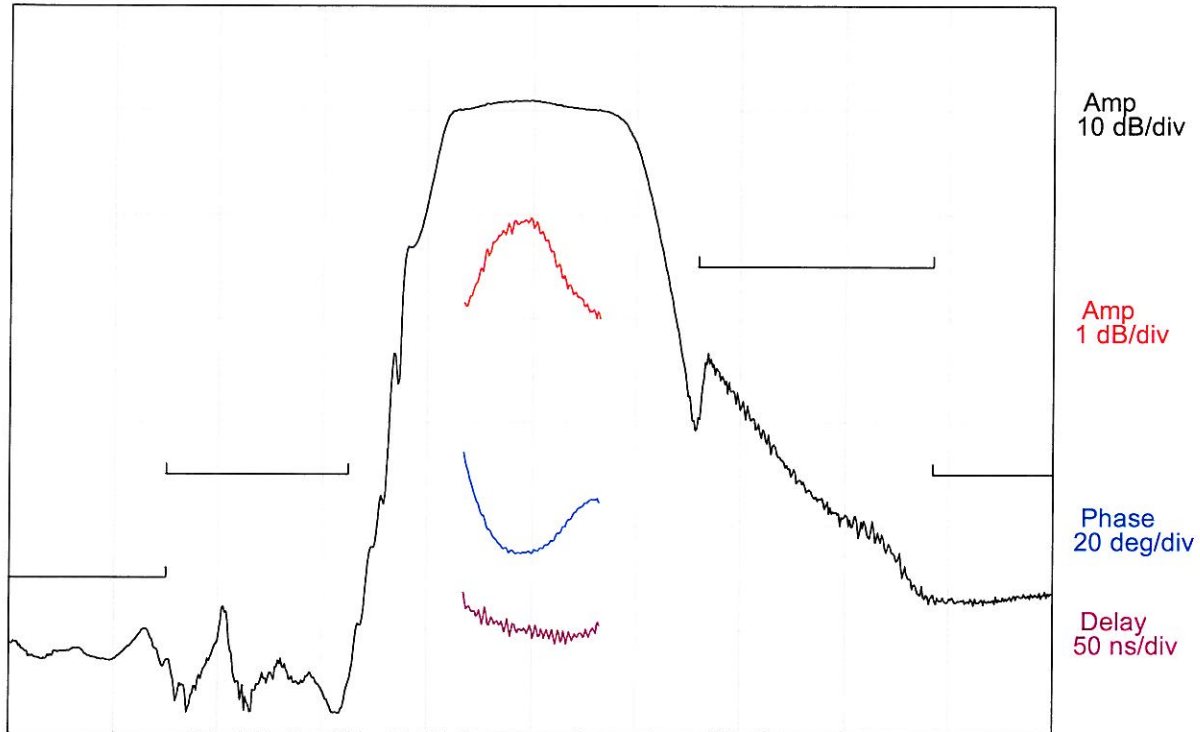


DESCRIPTION

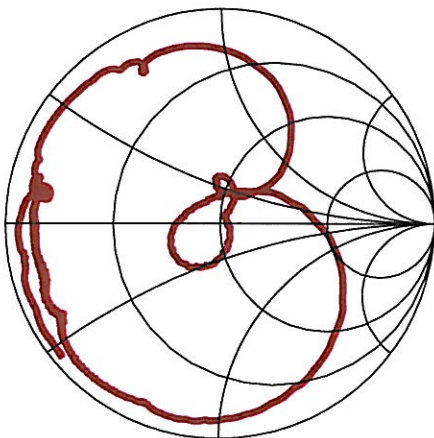
- 915 MHz SAW filter with 26 MHz bandwidth.
- 3 x 3 mm ceramic LCC package with 6 pads.
- RoHS compliant.

TYPICAL PERFORMANCE

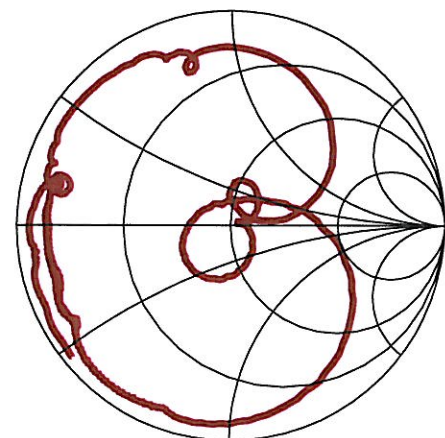


Center = 915 MHz, 20 MHz/div (268.8 kHz incr)

S11 (815-1015 MHz)



S22 (815-1015 MHz)



SPECIFICATION

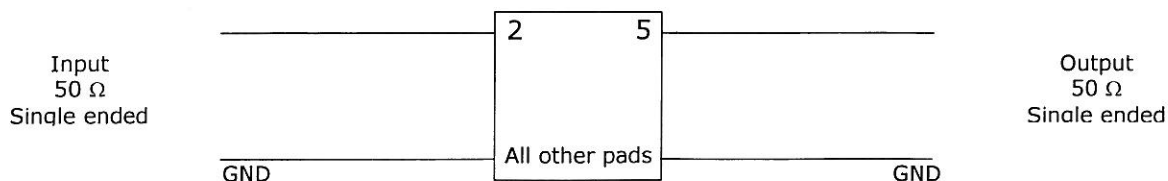
Parameter	Min	Typ	Max	Units
Center Frequency (F_c) ¹	-	915.0	-	MHz
Bandwidth (3dB)	26	34	-	MHz
Insertion Loss ²	-	2.8	3.3	dB
Passband Amplitude Ripple ²	-	1.1	1.5	dB
Stopband Rejection, 10-800 MHz	50	55	-	dB
Stopband Rejection, 800-845 MHz	45	50	-	dB
Stopband Rejection, 845-880 MHz	35	40	-	dB
Stopband 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

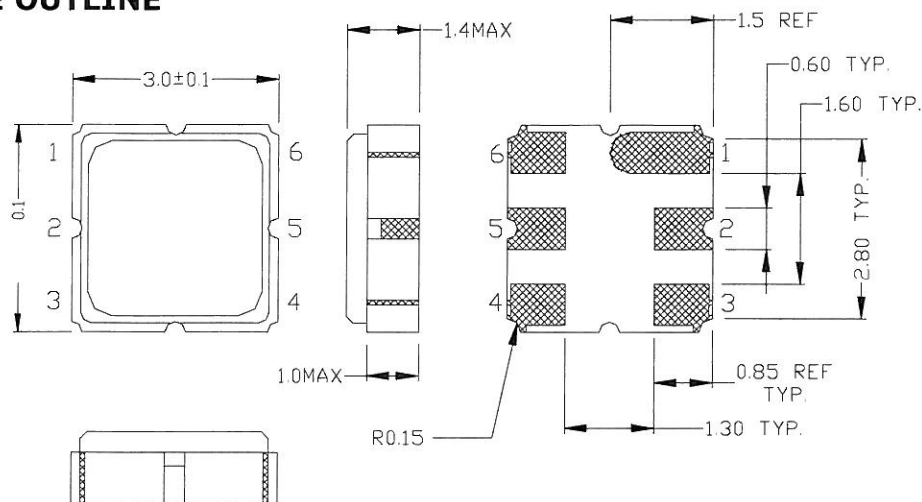
MATCHING CIRCUIT



Notes:

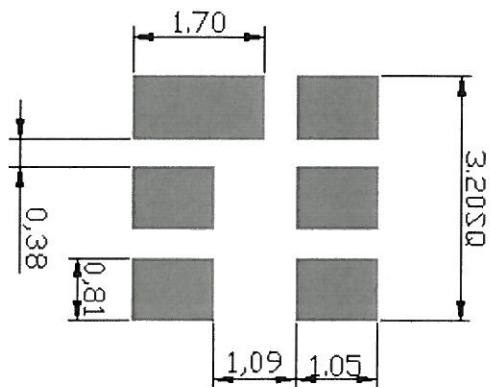
- External matching components are not required.
- Device is intended to operate in a 50 Ω single ended system.

PACKAGE OUTLINE



Units: mm

SUGGESTED FOOTPRINT



Typical tolerances are ±0.15 mm except where indicated.

Pad Configuration:

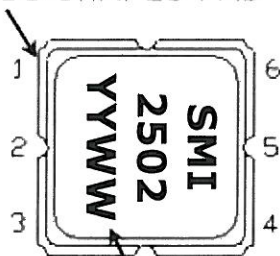
Input: 2
 Output: 5
 Ground: All other pads

Package Material:

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