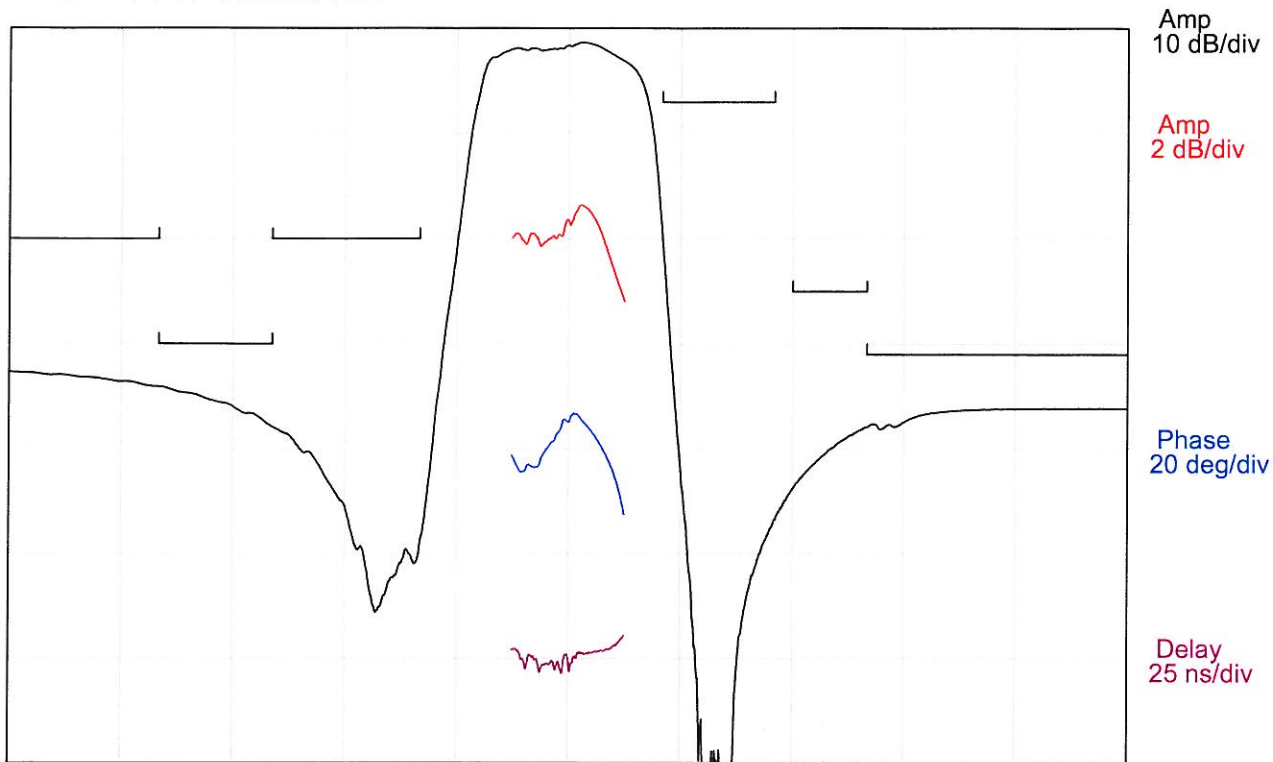


DESCRIPTION

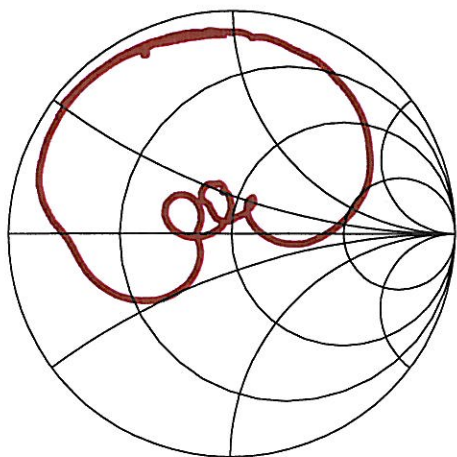
- 1880 MHz bandpass filter with 60 MHz bandwidth.
- 3 x 3 mm ceramic LCC package, 6 pads.
- RoHS compliant.

TYPICAL PERFORMANCE

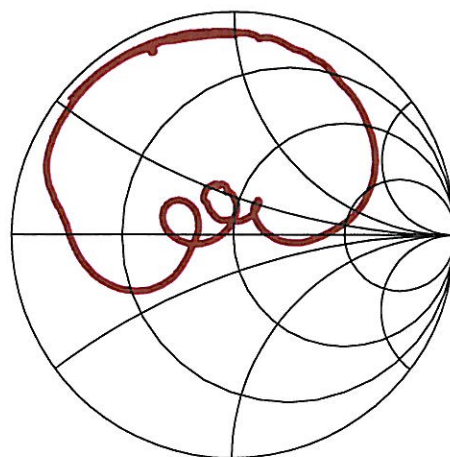


Center = 1880 MHz, 60 MHz/div (375 kHz incr)

S11 (1580-2180 MHz)



S22 (1580-2180 MHz)



SPECIFICATION

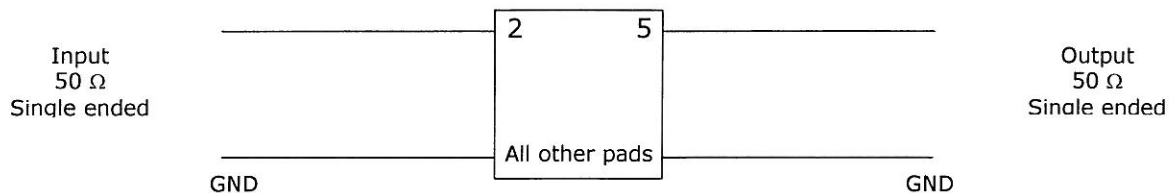
Parameter	Min	Typ	Max	Units
Center Frequency F_c	-	1880	-	MHz
Bandwidth	60	88.5	-	MHz
Insertion Loss ¹	-	3.2	4.0	dB
Passband Amplitude Ripple ¹	-	1.8	2.5	dB
Stopband Rejection (DC to 1660MHz) ²	20	32	-	dB
Stopband Rejection (1660 to 1721 MHz) ²	30	35	-	dB
Stopband Rejection (1721 to 1800 MHz) ²	20	37	-	dB
Stopband Rejection (1930 to 1990 MHz) ²	7	19	-	dB
Stopband Rejection (2000 to 2040 MHz) ²	25	37	-	dB
Stopband Rejection (2040 to 2480 MHz) ²	31	38	-	dB
Stopband Rejection (3700 to 3820 MHz) ²	25	35	-	dB
Return Loss ¹	7.4	10	-	dB
Terminating Impedance	50			Ω

Notes: 1. Within passband: 1850 to 1910 MHz
2. Rejection relative to insertion loss

MAXIMUM RATINGS

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

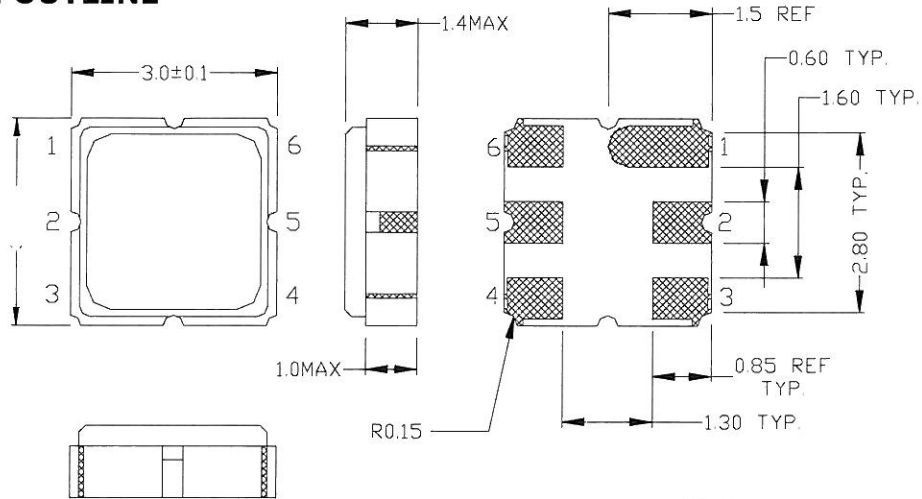
MATCHING CIRCUIT



Notes:

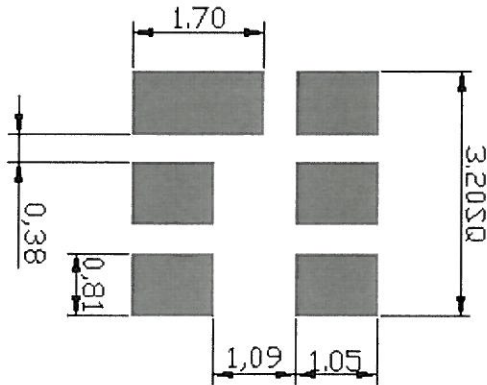
- External matching components are not required.
- Device is intended to operate in a 50 Ω single ended system.

PACKAGE OUTLINE



Units: mm

SUGGESTED FOOTPRINT



Typical tolerances are ±0.15 mm except where indicated.

Pad Configuration:

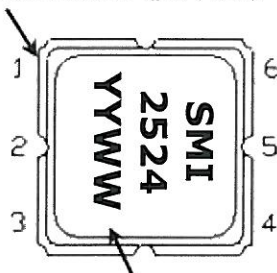
Input: 2
 Output: 5
 Ground: All other pads

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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