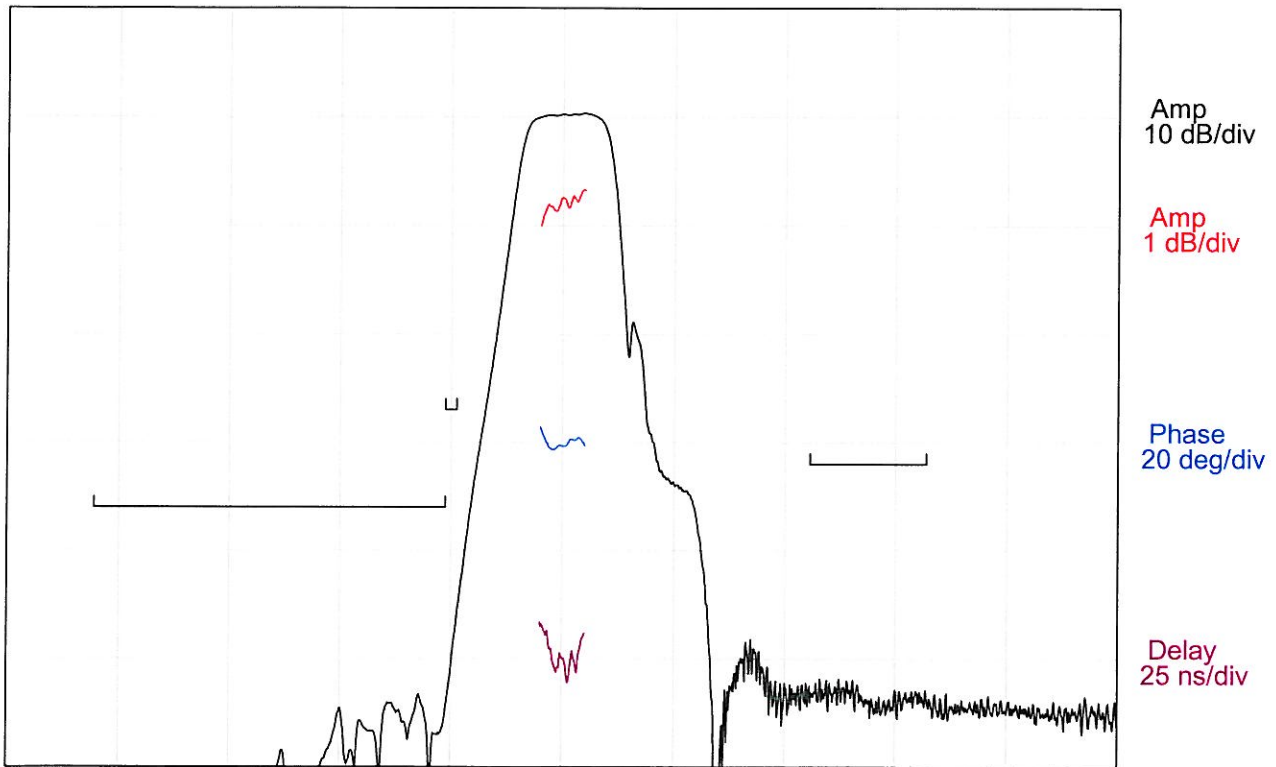


DESCRIPTION

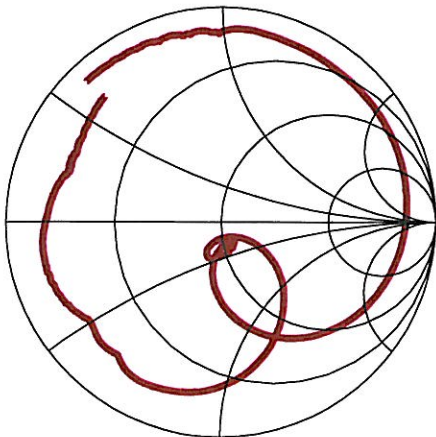
- 914.5 MHz SAW filter with 8 MHz bandwidth.
- 3.8 x 3.8 mm LCC Package, 8 pads.
- RoHS compliant.

TYPICAL PERFORMANCE

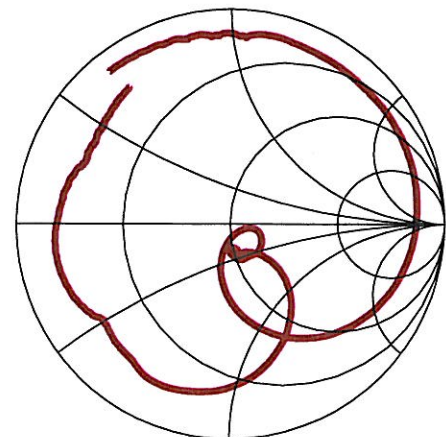


Center = 914.5 MHz, 20 MHz/div (125 kHz incr)

S11 (814.5-1014.5 MHz)



S22 (814.5-1014.5 MHz)



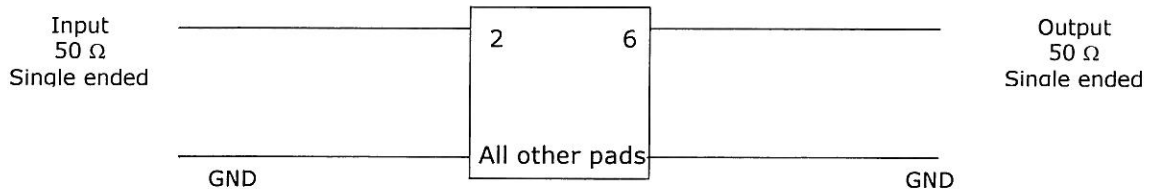
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	-	914.5	-	MHz
Maximum Insertion Loss (910.5 to 918.5 MHz)	-	2.8	4	dB
Amplitude Ripple (910.5 to 918.5 MHz)	-	0.5	2.0	dB p-p
Attenuation (Reference level from maximum insertion loss)				
10 to 830 MHz	45	52	-	dB
830 to 893.5 MHz	36	45	-	dB
893.5 to 895.5 MHz	27	40	-	dB
959 to 980 MHz	32	45	-	dB
980 to 1200 MHz	42	47	-	dB
Source Impedance	-	50	-	ohms
Load Impedance	-	50	-	ohms
Ambient Temperature	-	25	-	° C

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature	-20	65	°C
Input Power Level	-	+10	dBm
DC Voltage	-	5	V

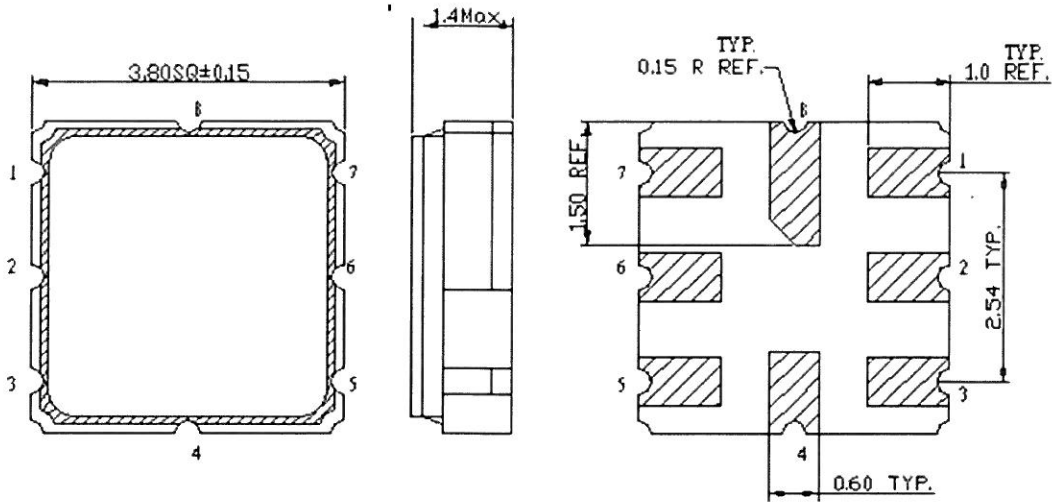
MATCHING CIRCUIT



Notes:

1. Filter to operate in a single ended system
2. External matching components are not required.

PACKAGE OUTLINE



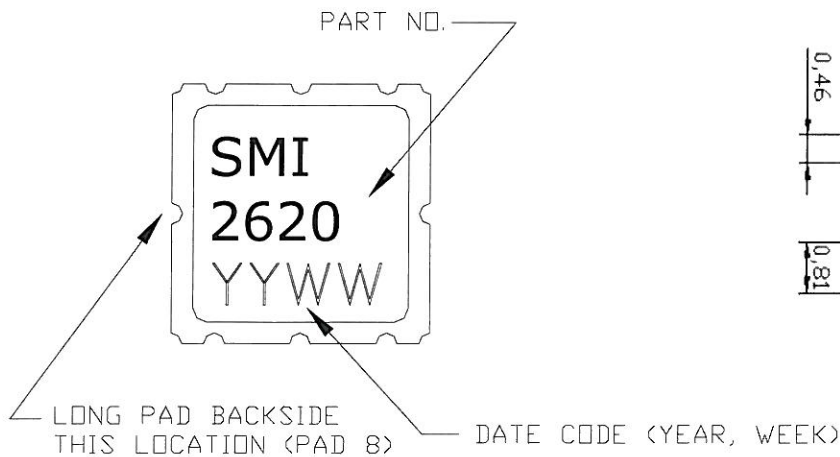
Package Material:
 Body: Al_2O_3 ceramic
 Lid: Kovar, Ni plated
 Terminations: Au plating 1 µm min,
 over a 1.3-8.9 µm Ni plating

Units: mm

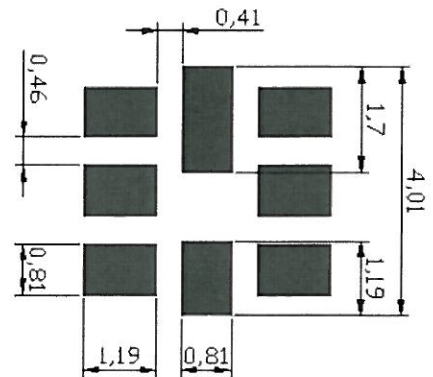
Pin Configuration:

Input: 2
 Output: 6
 Ground: 1, 3, 4, 6, 7, 8

MARKING



SUGGESTED FOOTPRINT



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