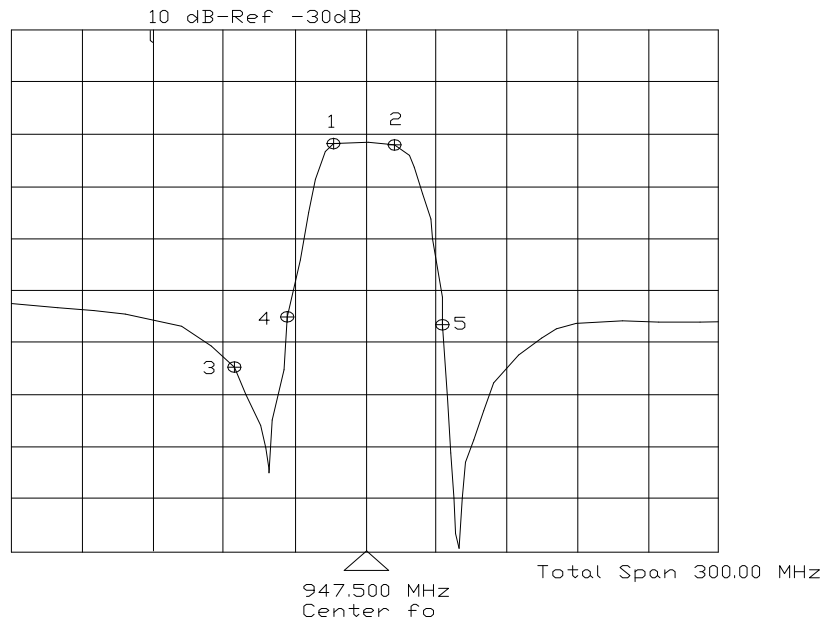


DESCRIPTION

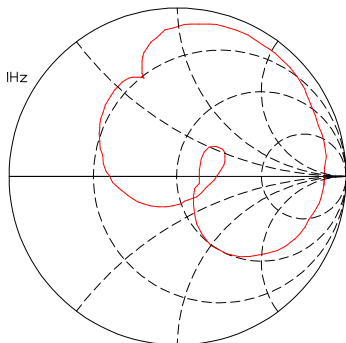
- Miniature 947.5 MHz SAW Filter with 25 MHz bandwidth.
- 3 x 3 mm Ceramic LCC package, 6 pads.
- RoHS compliant

TYPICAL PERFORMANCE

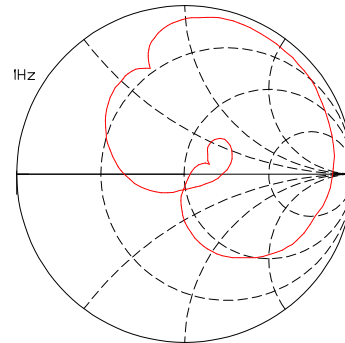


Frequency Characteristics: Indicator #1 = 2.45dB @ 935.0 MHz
 #2 = 2.00dB @ 960.0 MHz
 #3 = 44.35dB @ 890.0MHz
 #4 = 35.10dB @ 915.0 MHz
 #5 = 36.7dB @ 980 MHz

S11 (847.5-1047.5 MHz)



S22 (847.5-1047.5 MHz)



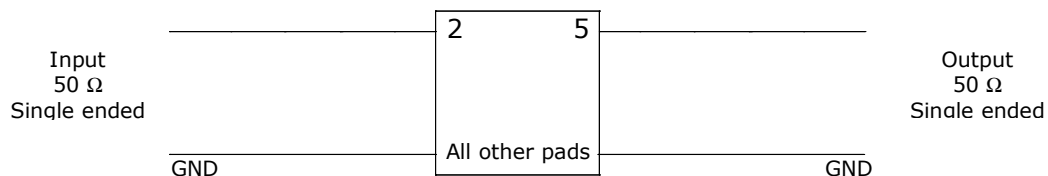
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency F_c	-	947.5	-	MHz
Bandwidth	25	30	-	MHz
Insertion Loss (935 - 960 MHz)	-	2.4	3.0	dB
Amplitude Ripple (935 - 960 MHz)	-	1.0	2.0	dB p-p
Attenuation (Reference level from 0 db)				
DC to 890 MHz	28	32	-	dB
890 to 915 MHz	20	35	-	dB
980 to 1025 MHz	15	30	-	dB
1025 to 2000 MHz	30	34.5	-	dB
Input/Output VSWR (935 - 960 MHz)	-	2.0	2.2	dB
Terminating Impedance	50			$\Omega//$ 0nF

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	$^{\circ}\text{C}$
Operating Temperature Range	-30	85	$^{\circ}\text{C}$
Input Power Level	-	+10	dBm
D.C. Voltage	-	0	V

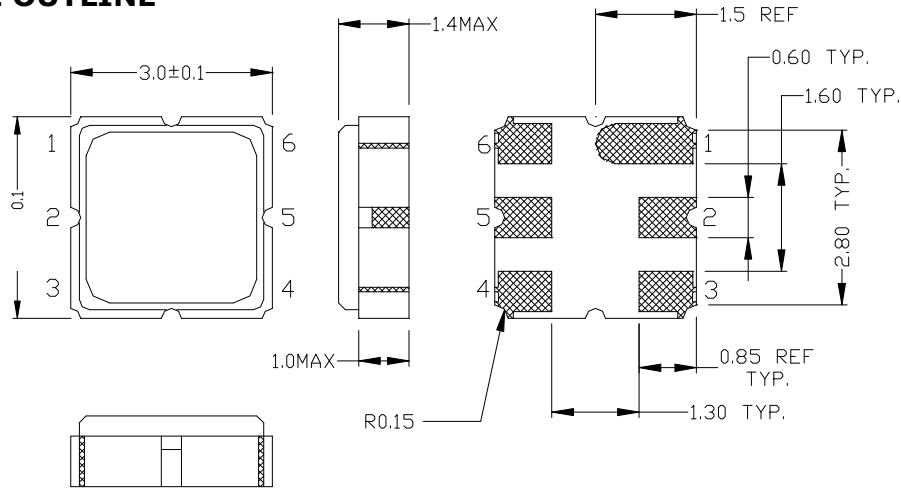
MATCHING CIRCUIT



Notes:

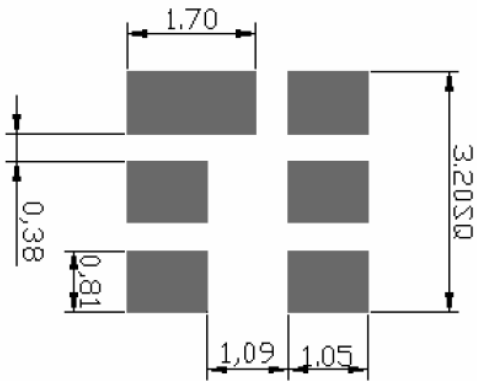
1. External matching components are not required.
2. Device is intended to operate in a 50 Ω single ended system.

PACKAGE OUTLINE



Units: mm

SUGGESTED FOOTPRINT



Typical tolerances are ± 0.15 mm except where indicated.

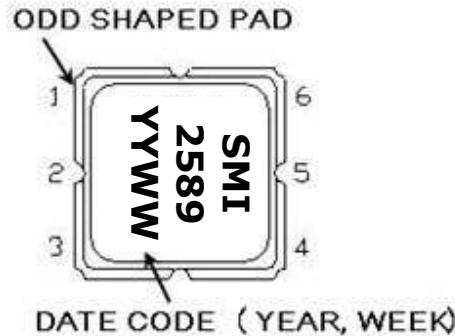
Pad Configuration:

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



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