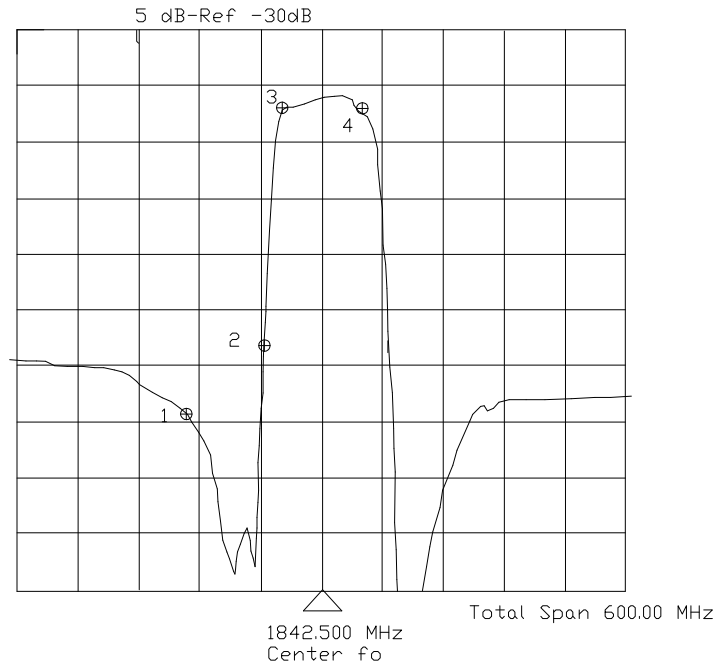


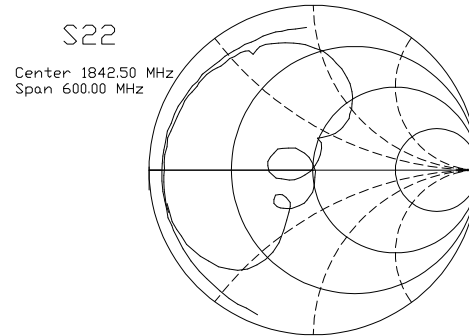
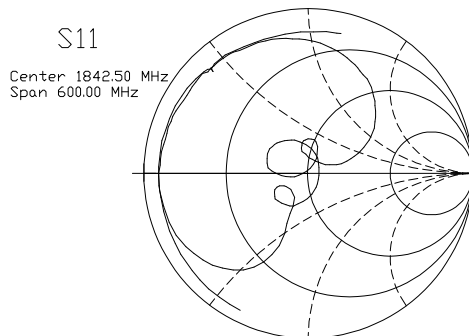
**DESCRIPTION**

- Miniature 1842.5 MHz SAW Filter.
- 3 x 3 mm Ceramic LCC package.
- RoHS compliant

**TYPICAL PERFORMANCE**



Frequency Characteristics: Indicator #1 = 29.56dB @ 1710.0 MHz  
 #2 = 23.35dB @ 1785.0 MHz  
 #3 = 2.09dB @ 1805.0MHz  
 #4 = 2.14dB @ 1880.0 MHz



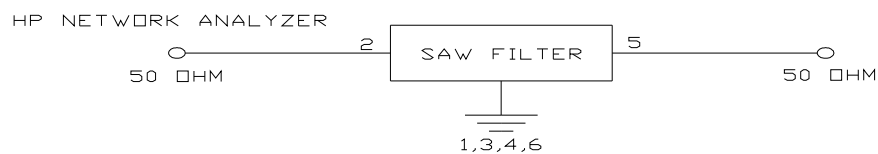
## SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency $F_c$	-	1842.5	-	MHz
Bandwidth	75		-	MHz
Insertion Loss (1805 - 1880 MHz)	-	2.2	3.8	dB
Amplitude Ripple (1805 - 1880 MHz)	-	1.3	2.3	dB
Attenuation (Reference level from 0 db)				
DC to 1500 MHz	20	24.5	-	dB
1500 to 1710 MHz	22	25.0	-	dB
1710 to 1785 MHz	10	23.5	-	dB
1920 to 3120 MHz	25	28.0	-	dB
3120 to 4000 MHz	17	30.0		
Input/Output VSWR (1805 - 1880 MHz)	-	2.0	2.2	dB
Terminating Impedance	50			$\Omega// 0nF$

## MAXIMUM RATINGS

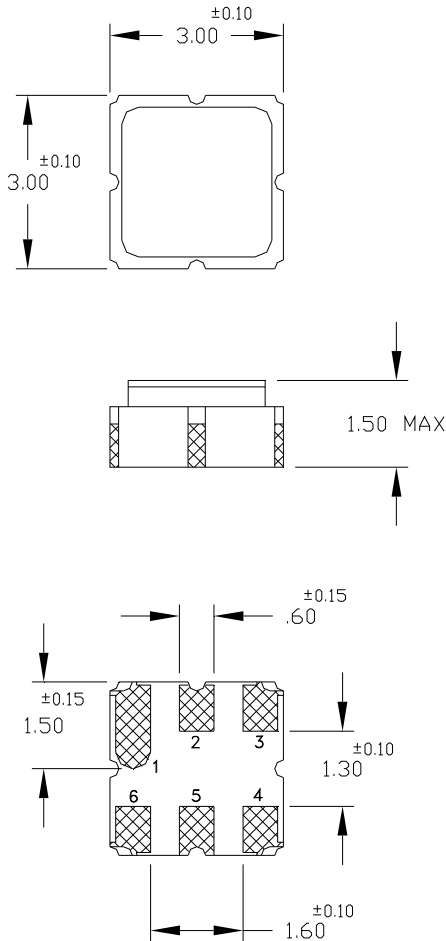
Parameter	Min	Max	Units
Storage Temperature Range	-40	+85	$^{\circ}C$
Operating Temperature Range	-30	+85	$^{\circ}C$
Input Power Level	-	+13	dBm
D.C. Voltage	-	0	V

## MATCHING CIRCUIT

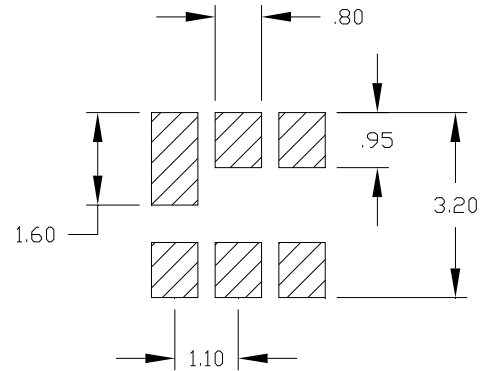


Matching components are not required.

### PACKAGE OUTLINE



### SUGGESTED FOOTPRINT



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

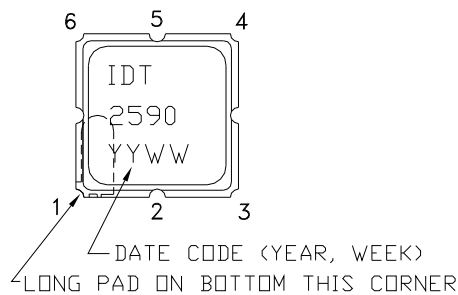
**Units:** mm

Tolerances are typically  $\pm 0.15$  mm  
except where indicated.

#### Pad Configuration:

Input:	2
Output:	5
Ground:	1,3,4,6

### MARKING



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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