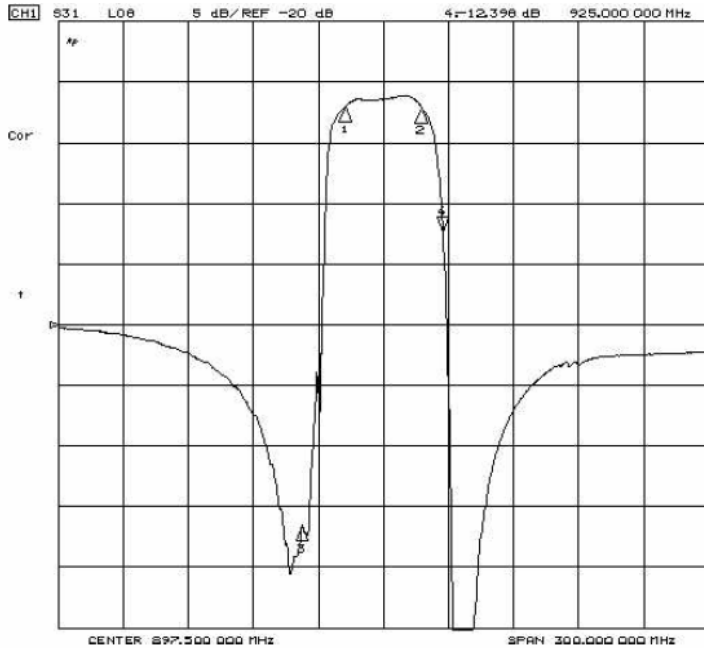


## DESCRIPTION

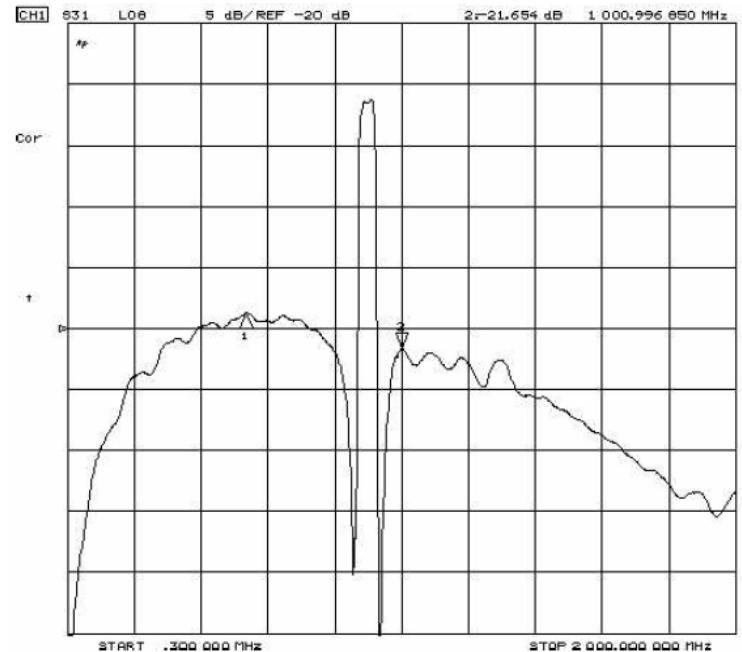
- 897.5 MHz SAW bandpass filter with a 40 MHz typical 3dB bandwidth.
- 3 x 3 mm ceramic LCC package.
- RoHS compliant.

## TYPICAL PERFORMANCE

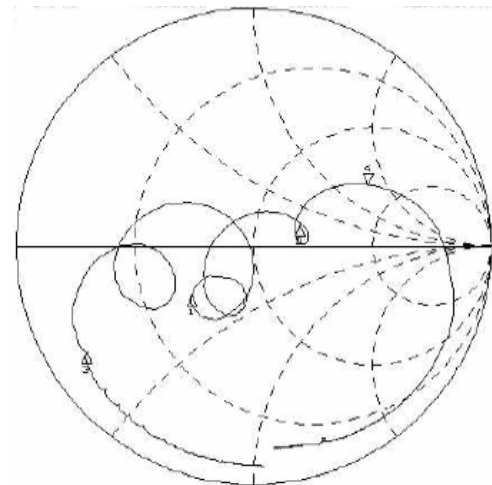
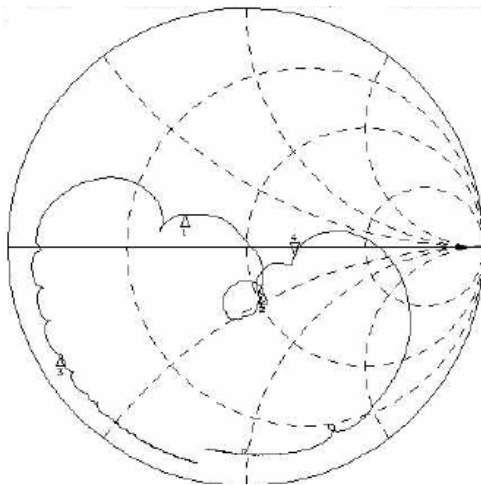
### Frequency Response



**S11 (747.5-1047.5 MHz)**



**S22 (747.5-1047.5 MHz)**



## SPECIFICATION

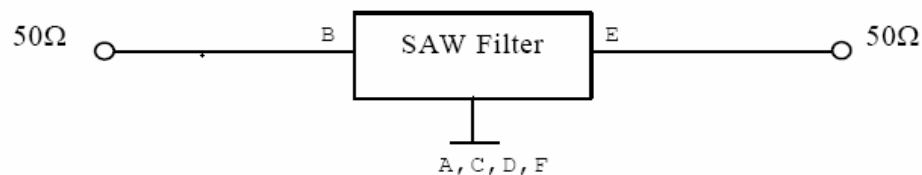
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) <sup>1</sup>	-	897.5	-	MHz
Insertion Loss (880 to 915 MHz)	-	2.1	3.0	dB
Amplitude Ripple (880 to 915 MHz)	-	1.0	2.0	dB p-p
Input VSWR (880 to 915 MHz)	-	2	2.6	:1
Output VSWR (880 to 915 MHz)	-	2	2.6	:1
Attenuation (1 to 860 MHz) <sup>2</sup>	17	19	-	dB
Attenuation (925 to 935 MHz) <sup>2</sup>	5	12.4	-	dB
Attenuation (935 to 960 MHz) <sup>2</sup>	20	24	-	dB
Attenuation (980 to 2000 MHz) <sup>2</sup>	20	22	-	dB
Source Impedance	50 ohms single-ended			
Load Impedance	50 ohms single ended			
Ambient Temperature	-	25	-	° C

- Notes: 1. Fixed reference point.  
2. Reference level from 0 dB.

## MAXIMUM RATINGS

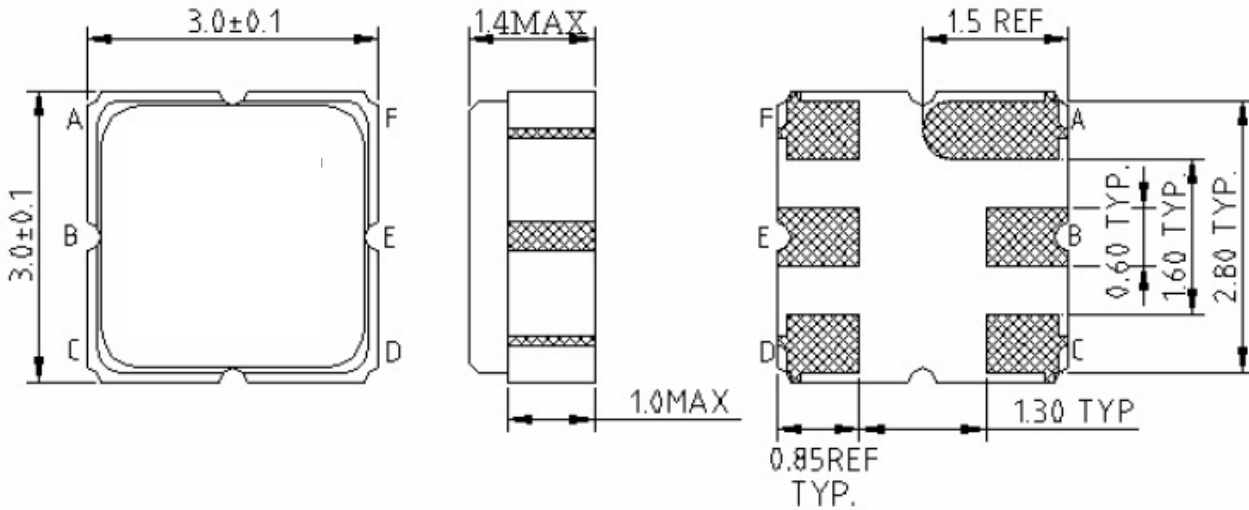
Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range	-20	75	°C
Input Power Level	-	5	dBm
DC Voltage	-	3	Volts

## MATCHING CIRCUIT



Notes: Matching components are not required; 50 ohm single-ended system.

**PACKAGE OUTLINE**



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

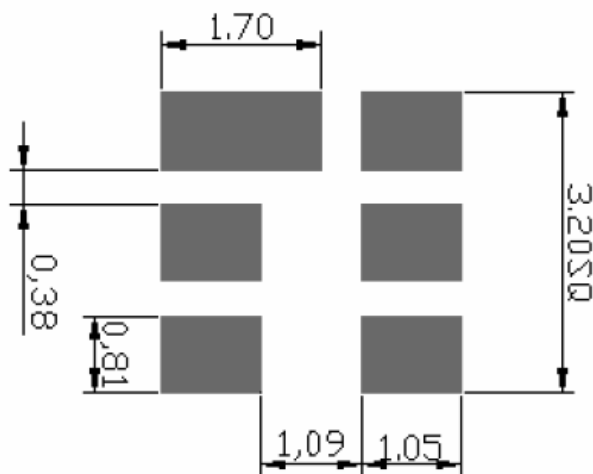
**Units:** mm

Typical tolerances are  $\pm 0.15$  mm  
except where indicated.

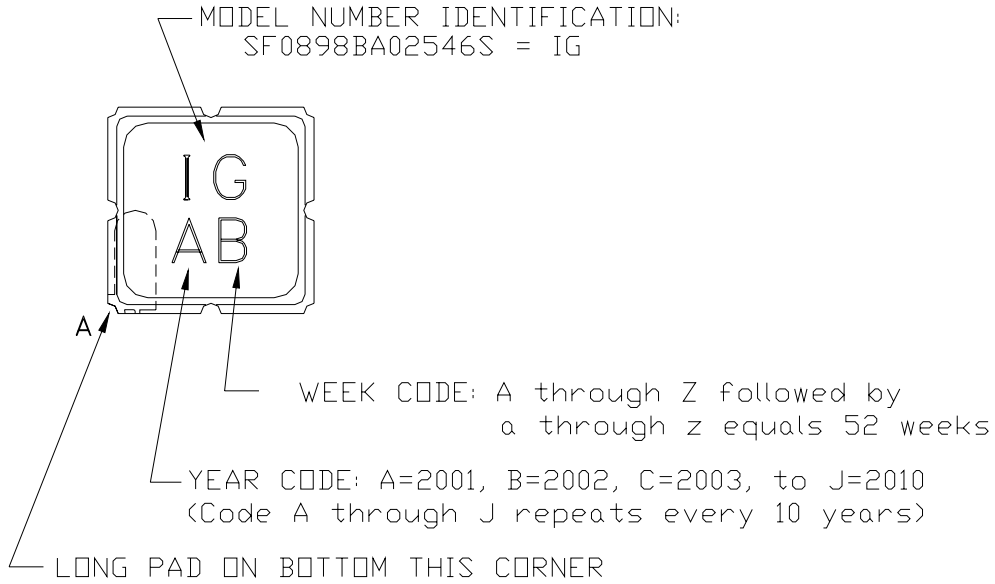
**Pad Configuration:**

Input: B  
Output: E  
Ground: A,C,D,F

**SUGGESTED FOOTPRINT**



**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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