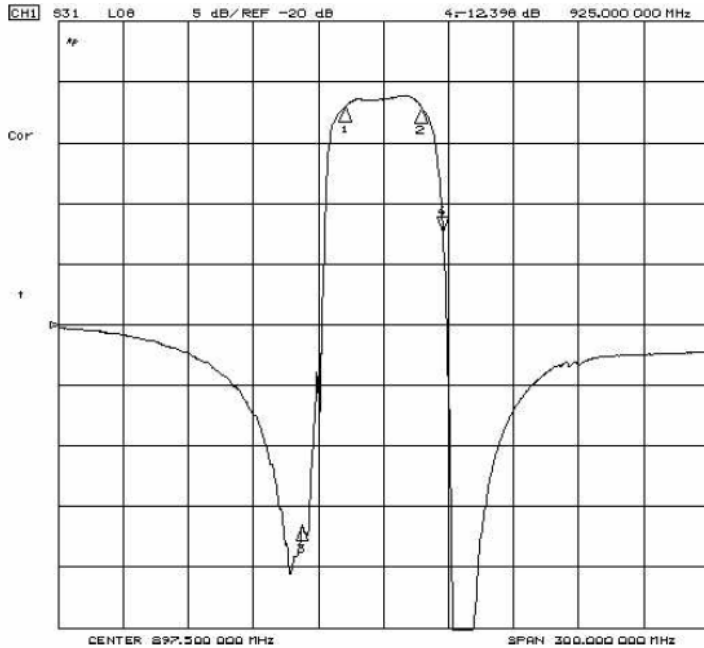


DESCRIPTION

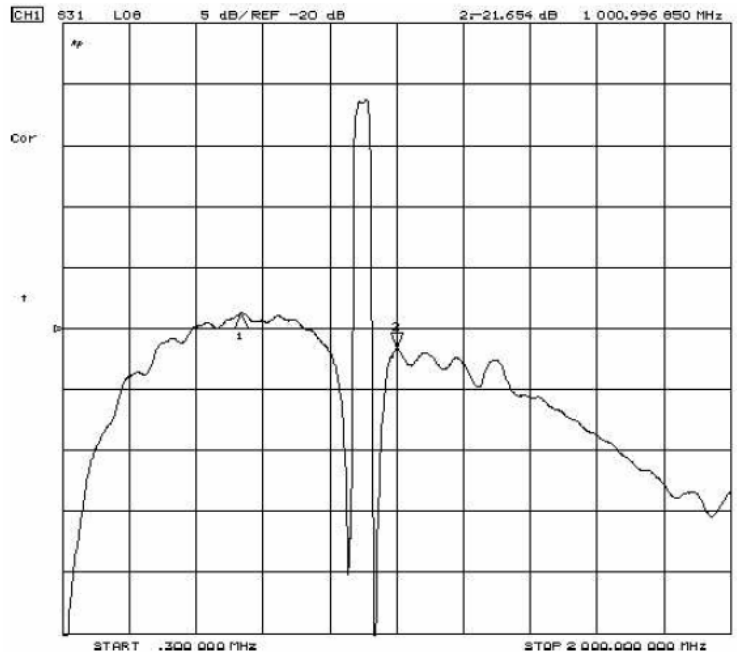
- 897.5 MHz SAW bandpass filter with a 40 MHz typical 3dB bandwidth.
- 3 x 3 mm ceramic LCC package.
- RoHS compliant.

TYPICAL PERFORMANCE

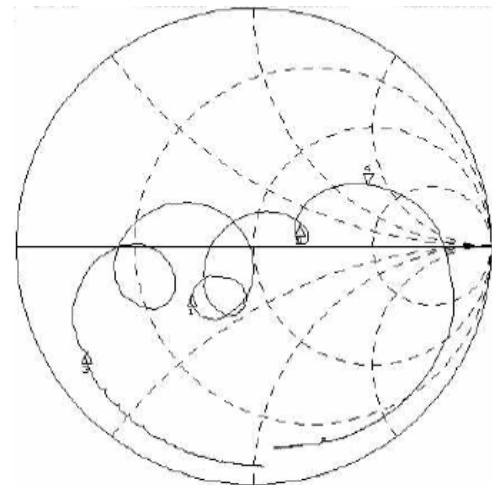
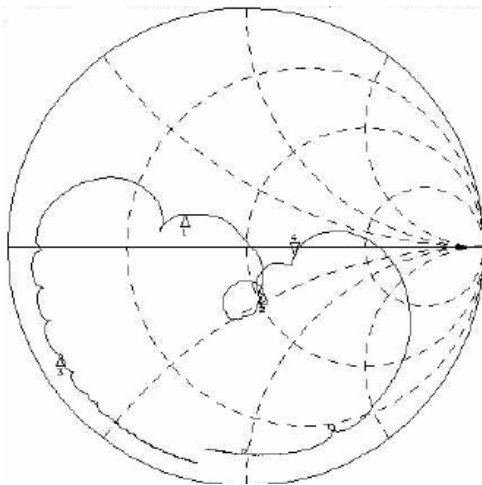
Frequency Response



S11 (747.5-1047.5 MHz)



S22 (747.5-1047.5 MHz)



SPECIFICATION

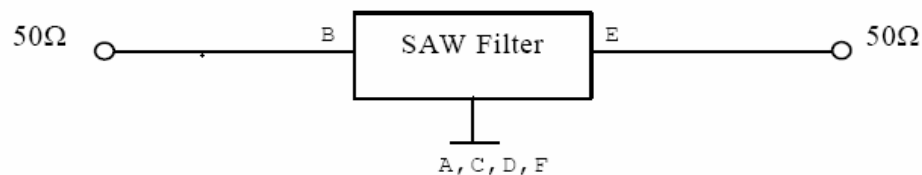
Parameter	Min	Typ	Max	Units
Center Frequency (Fc) ¹	-	897.5	-	MHz
Insertion Loss (880 to 915 MHz)	-	2.1	3.0	dB
Amplitude Ripple (880 to 915 MHz)	-	1.0	2.0	dB p-p
Input VSWR (880 to 915 MHz)	-	2	2.6	:1
Output VSWR (880 to 915 MHz)	-	2	2.6	:1
Attenuation (1 to 860 MHz) ²	17	19	-	dB
Attenuation (925 to 935 MHz) ²	5	12.4	-	dB
Attenuation (935 to 960 MHz) ²	20	24	-	dB
Attenuation (980 to 2000 MHz) ²	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

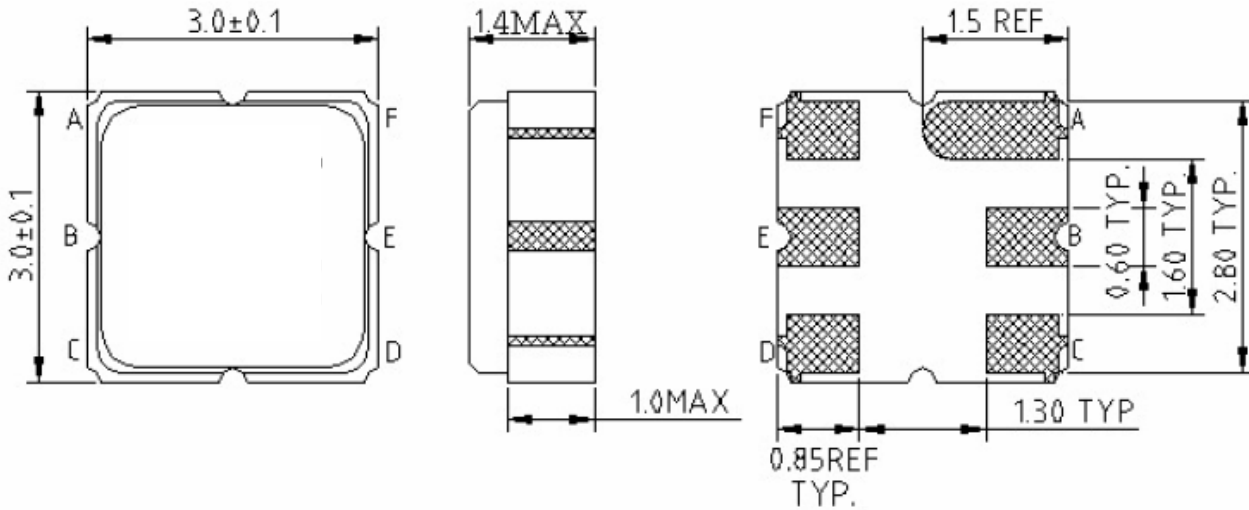
Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range	-20	75	°C
Input Power Level	-	5	dBm
DC Voltage	-	3	Volts

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

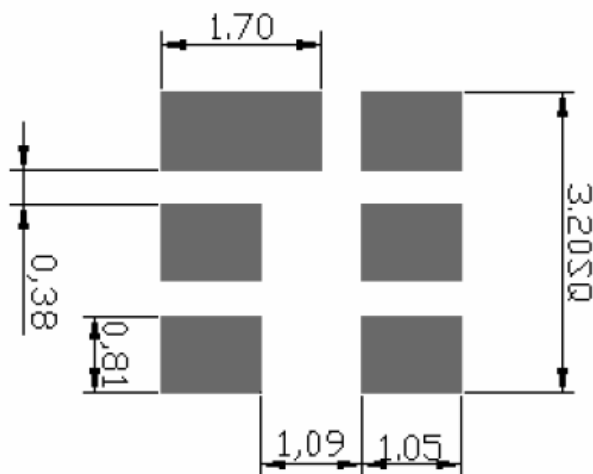
Units: mm

Typical tolerances are ± 0.15 mm
except where indicated.

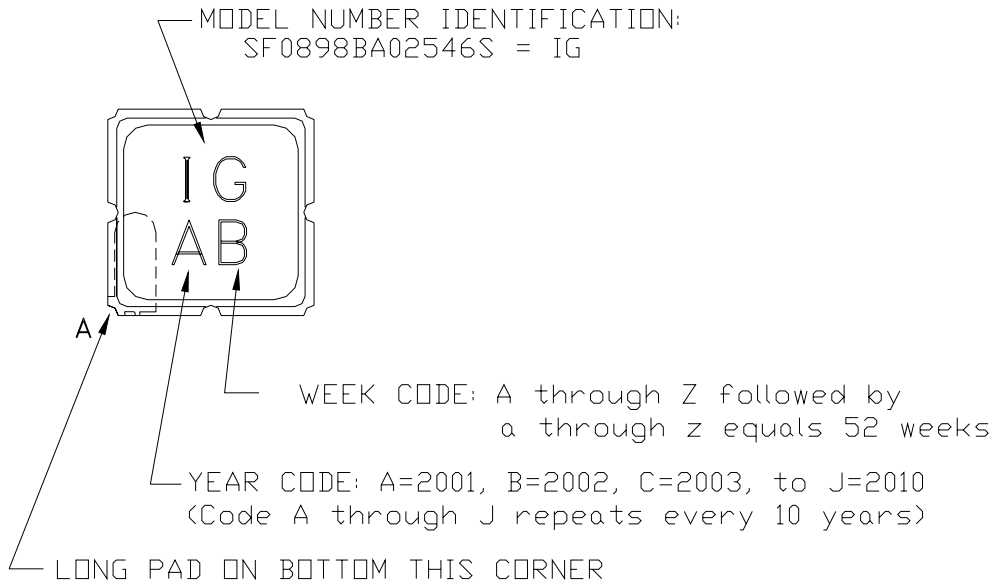
Pad Configuration:

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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