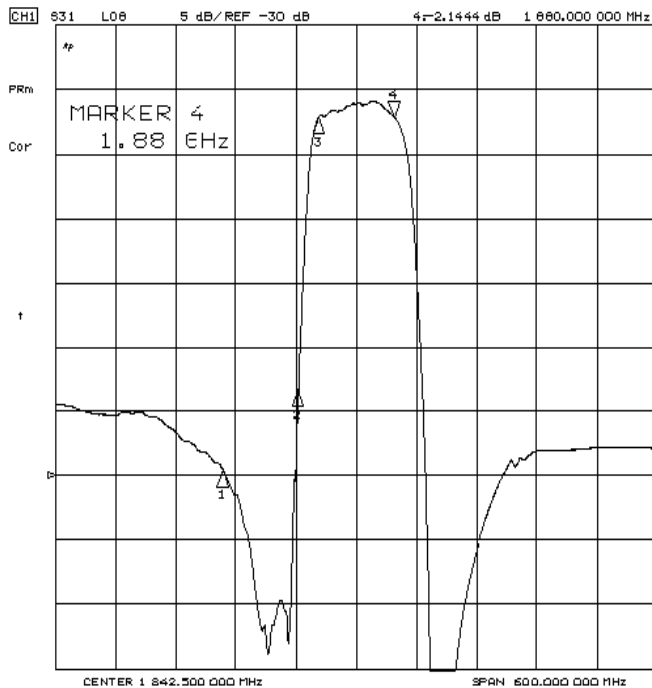


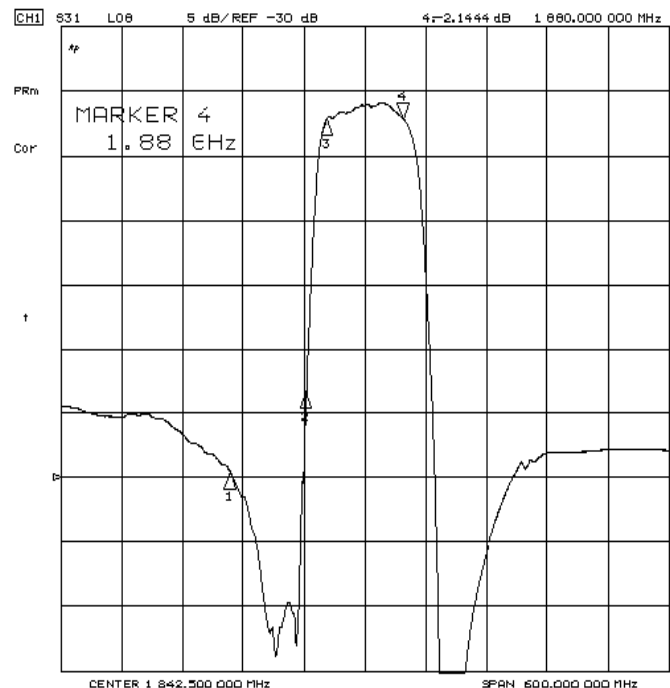
DESCRIPTION

- 1842.5 MHz SAW bandpass filter with minimum 75 MHz Bandwidth.
- 3 x 3 mm ceramic LCC package, 6 pads.
- RoHS compliant.

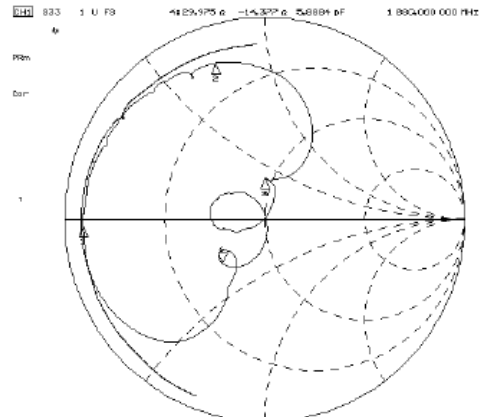
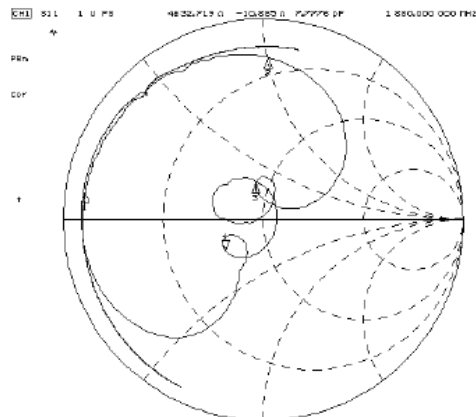
TYPICAL PERFORMANCE



S11 (1542.5-2142.5 MHz)



S22 (1542.5-2142.5 MHz)



SPECIFICATION

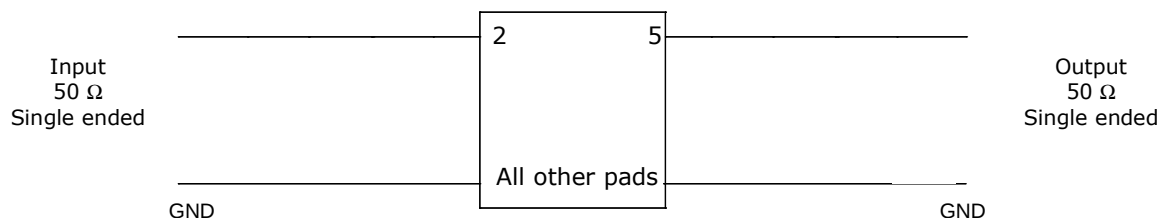
Parameter	Min	Typ	Max	Units
Center Frequency, (F_c) ¹	-	1842.5	-	MHz
Average Insertion Loss (1805-1880 MHz)	-	2.2	3.8	dB
Amplitude Ripple (1805-1880 MHz)	-	1.3	2.3	dB p-p
Attenuation (DC-1500 MHz) ²	20	24	-	dB
Attenuation (1600-1710 MHz) ²	22	25	-	dB
Attenuation (1710-1785 MHz) ²	10	23	-	dB
Attenuation (1920-3120 MHz) ²	25	28	-	dB
Attenuation (3120-4000 MHz) ²	17	30	-	dB
Input/Output VSWR (1805-1880 MHz)	-	1.9	2.6	:1
Source and Load Impedance	50			ohms
Ambient Temperature (Tref)	25			°C

Notes: 1. Reference frequency. Computed as mean of the 3 dB frequencies.
2. All attenuation levels are referenced to the 0 dB absolute level.

MAXIMUM RATINGS

Parameter	Min	Max	Units
Storage Temperature Range	-40	85	°C
Operating Temperature Range (T)	-30	85	°C
DC Voltage	-	0	V
Input Power Level	-	+20	dBm

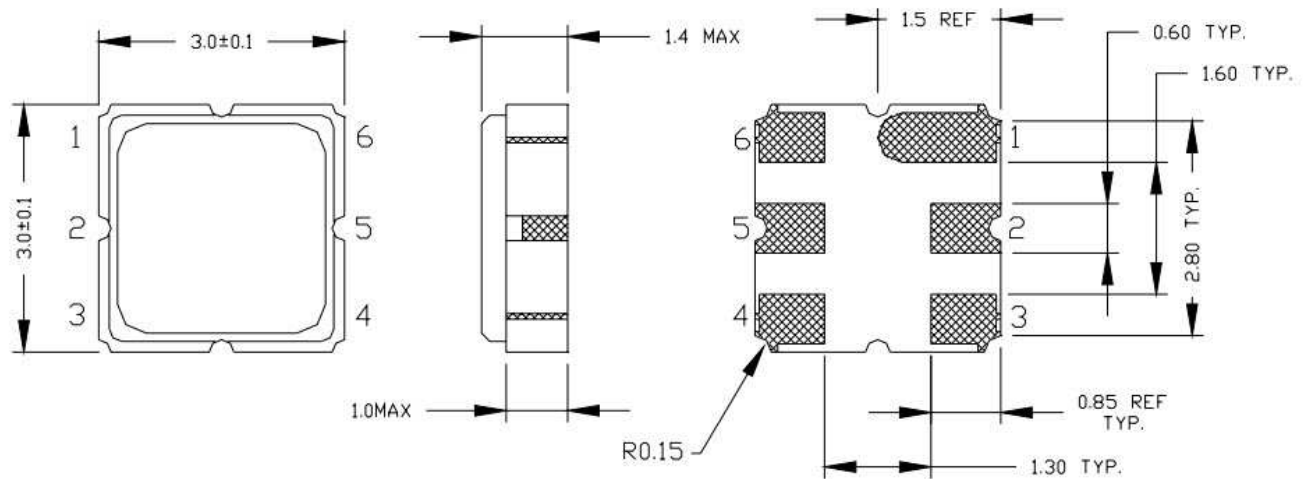
MATCHING CIRCUIT



Notes:

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

PACKAGE OUTLINE



Units: mm

Tolerances are typically ± 0.15 mm except where indicated.

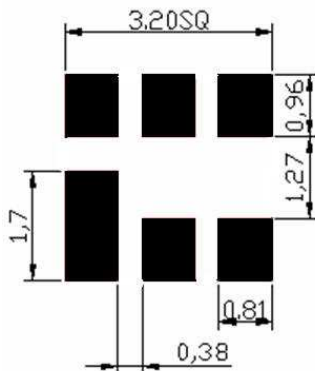
Pad Configuration:

Input: 2
 Output: 5
 Ground: All other pads

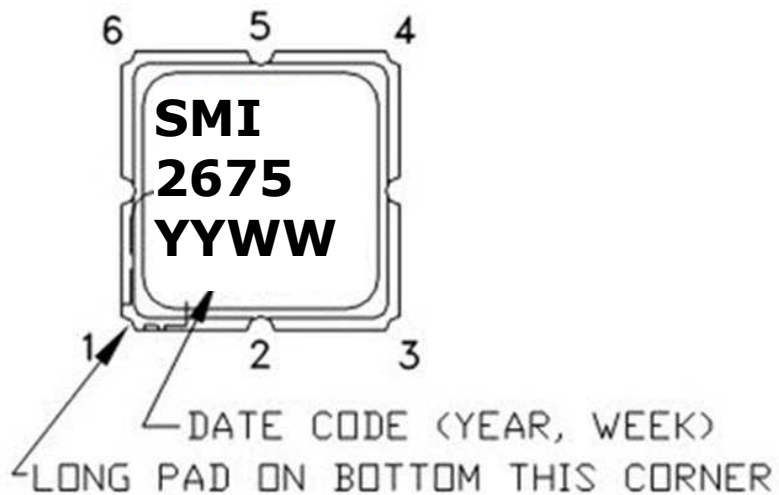
Package Material:

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

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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