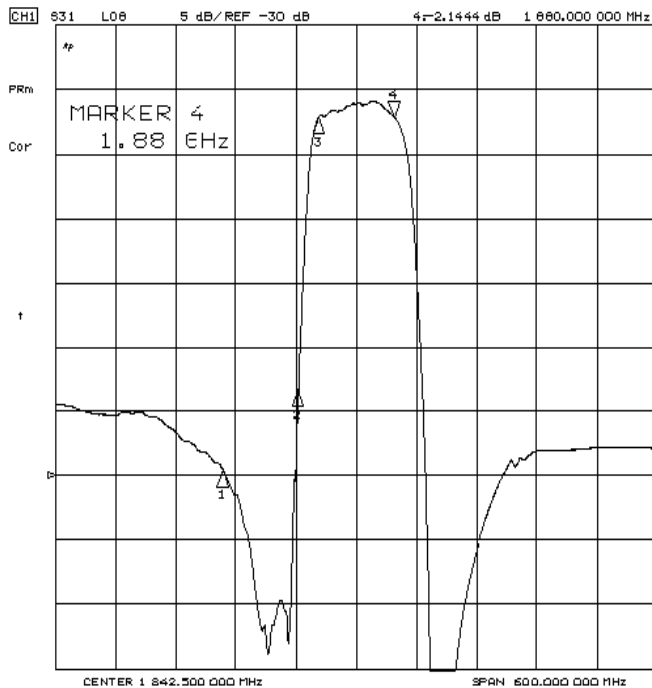


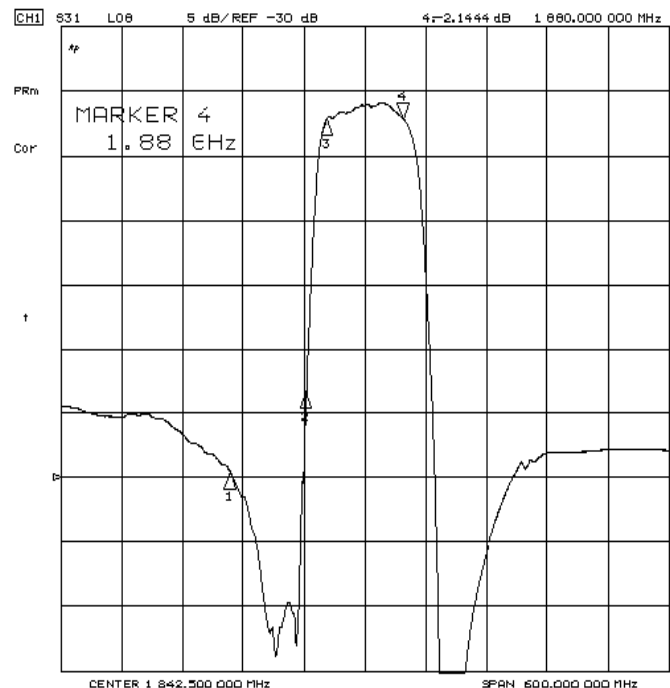
DESCRIPTION

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

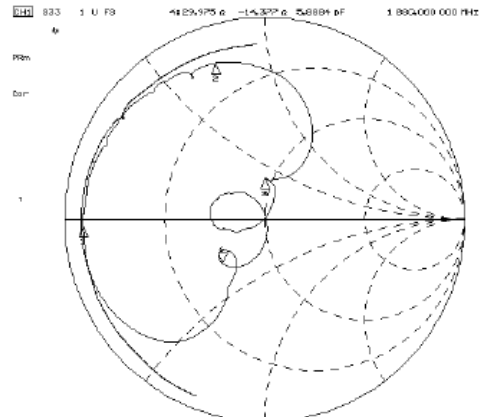
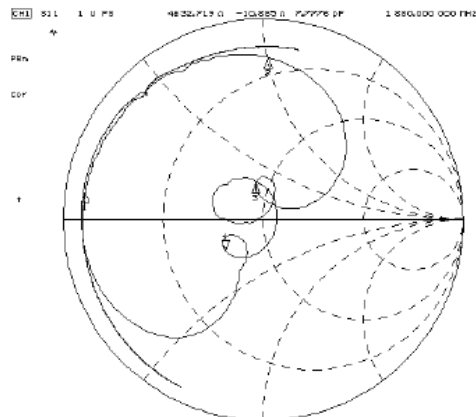
TYPICAL PERFORMANCE



S11 (1542.5-2142.5 MHz)



S22 (1542.5-2142.5 MHz)



SPECIFICATION

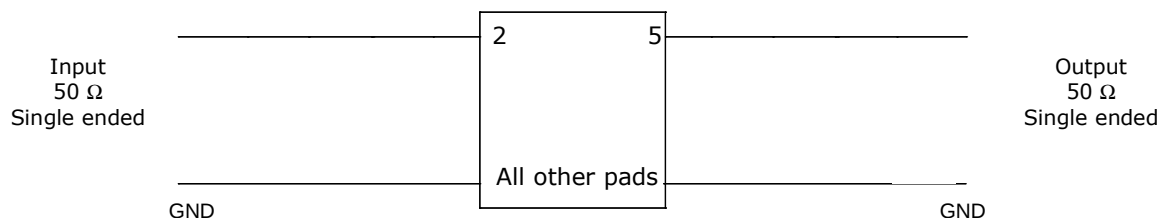
Parameter	Min	Typ	Max	Units
Center Frequency, (F_c) ¹	-	1842.5	-	MHz
Average Insertion Loss (1805-1880 MHz)	-	2.2	3.8	dB
Amplitude Ripple (1805-1880 MHz)	-	1.3	2.3	dB p-p
Attenuation (DC-1500 MHz) ²	20	24	-	dB
Attenuation (1600-1710 MHz) ²	22	25	-	dB
Attenuation (1710-1785 MHz) ²	10	23	-	dB
Attenuation (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

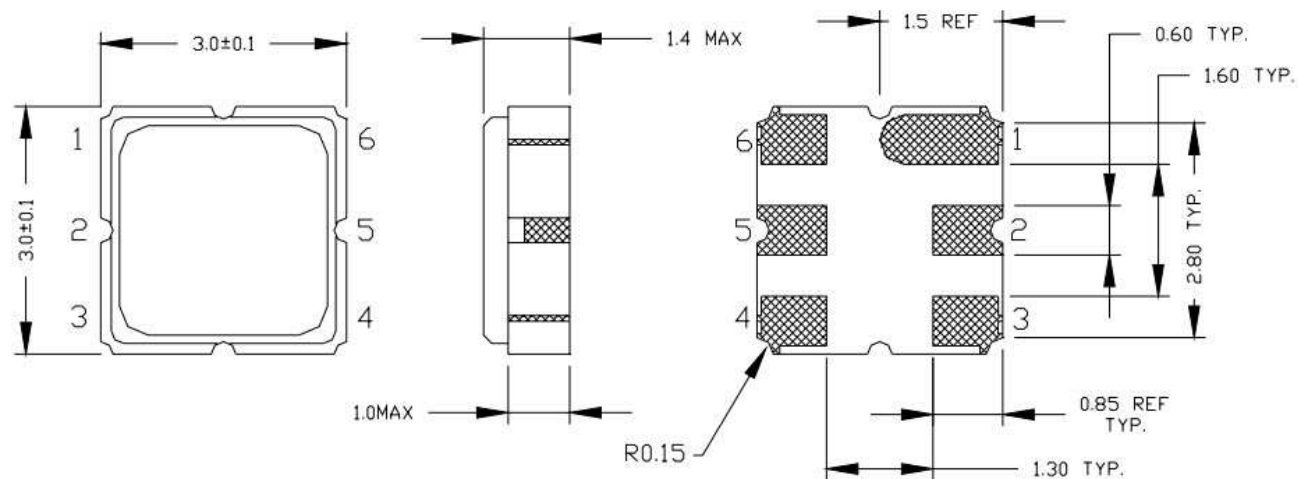
MATCHING CIRCUIT



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:

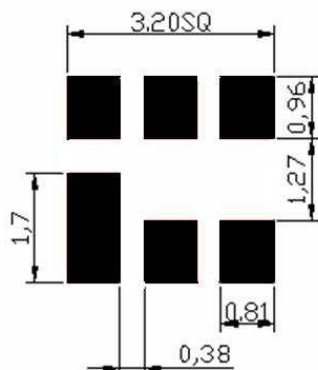
Pad Configuration:

Input:	2
Output:	5
Ground:	All other pads

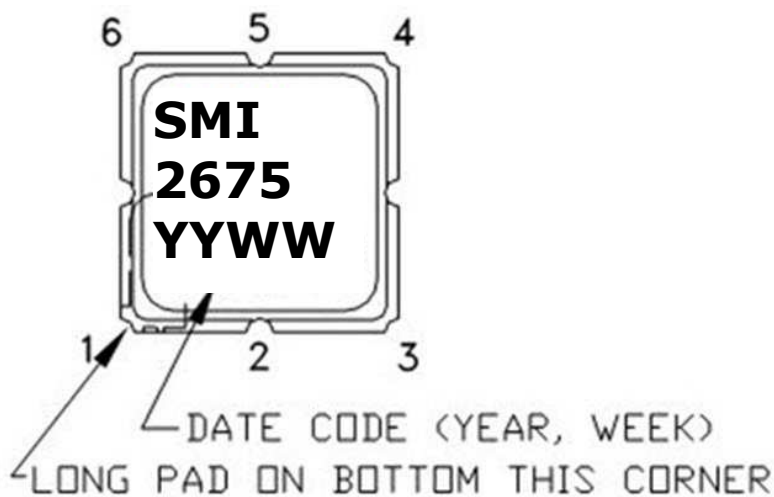
Package Material:

Body: Al_2O_3 ceramic
Lid: Kovar, Ni plated
Terminations: Au plating 1 μm min,
over a 1.3-8.9 μm 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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DSSF1843BA02675S Rev X1 10-Feb-11
Page 3 of 3