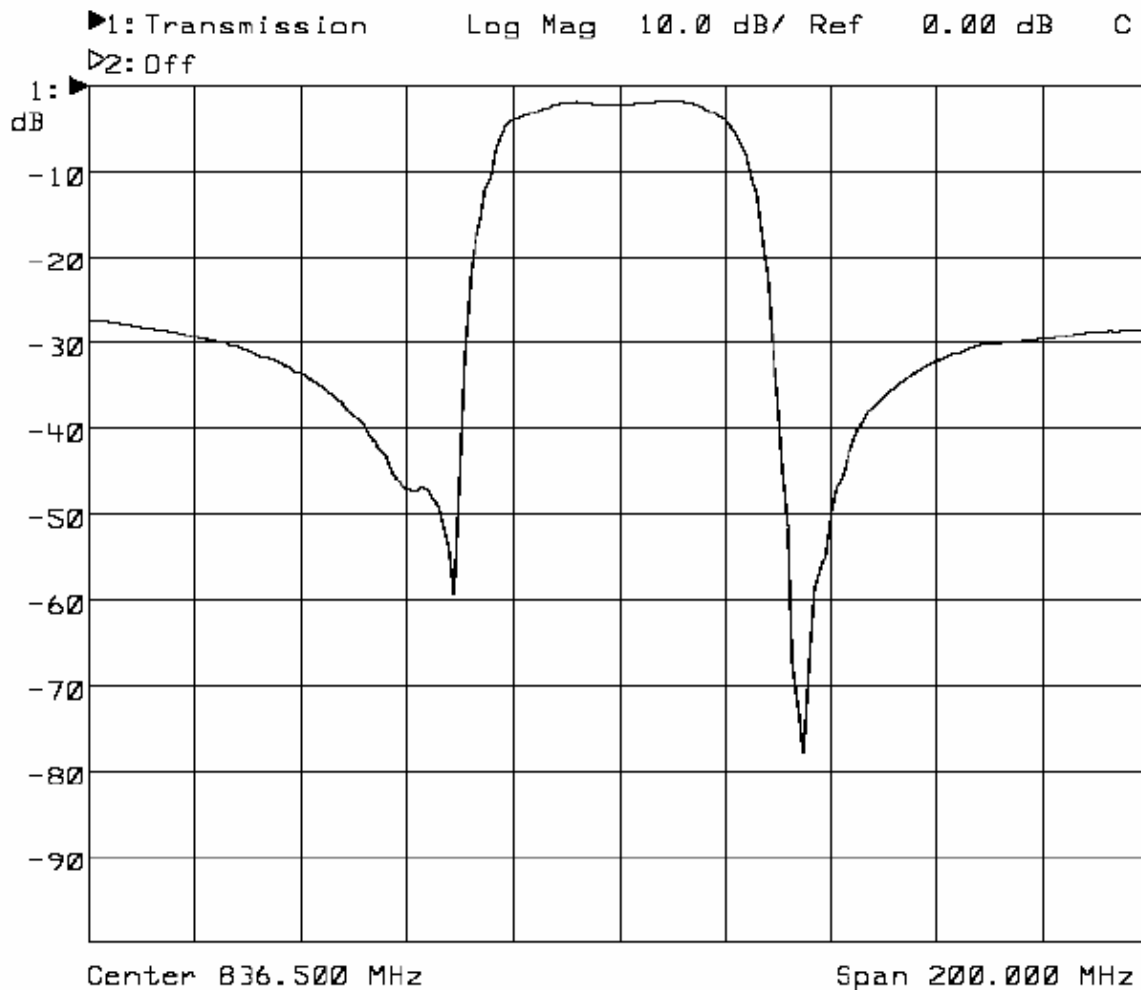


DESCRIPTION

- Miniature 836.5 MHz surface acoustic wave (SAW) bandpass filter with a 35 MHz typical 3dB bandwidth
- 3.0x3.0 mm LCC package
- RF front end filter in cellular phone equipment.

TYPICAL PERFORMANCE



MAXIMUM RATINGS

Parameter	Min	Max	Units
Operating Temperature Range	-40	+85	°C
Storage Temperature Range	-40	+85	°C
Input Power Level		+23	dBm
Max. D. C. Voltage between Each Terminal		10	V

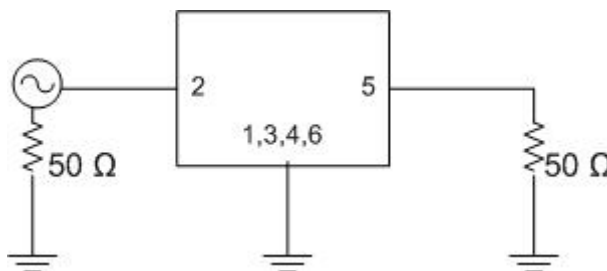
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency F_c		836.5		MHz
Bandwidth	25			MHz
Insertion Loss ¹			2.5	dB
Passband Amplitude Ripple ¹			1.5	dB
Stopband Rejection ² , DC to 800 MHz	20			dB
Stopband Rejection ² , 869 to 894 MHz	30			dB
Stopband Rejection ² , 978 to 1006 MHz	25			dB
Stopband Rejection ² , 1050 to 2600 MHz	20			dB
Return Loss ¹	10			dB
Terminating Impedance	50			Ω // 0nF

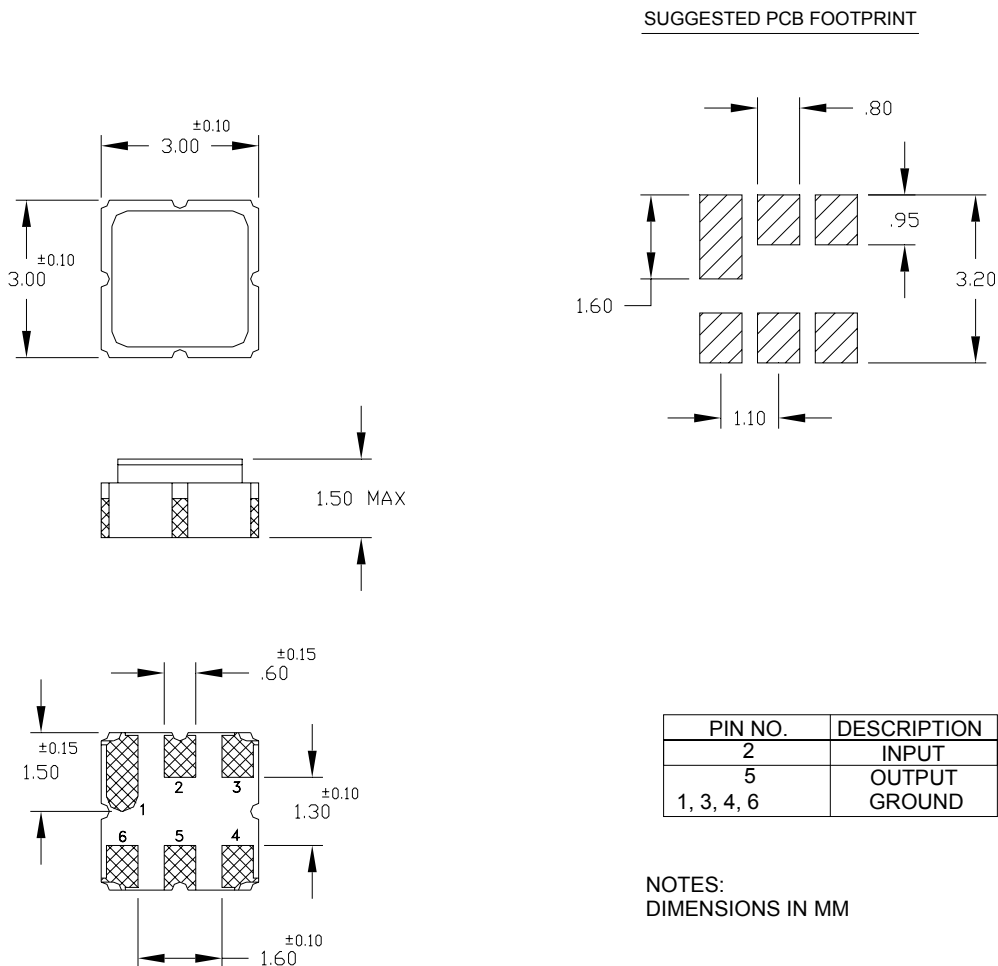
Notes: 1. Within passband: 824 to 849 MHz
2. Rejection relative to insertion loss

TEST CIRCUIT

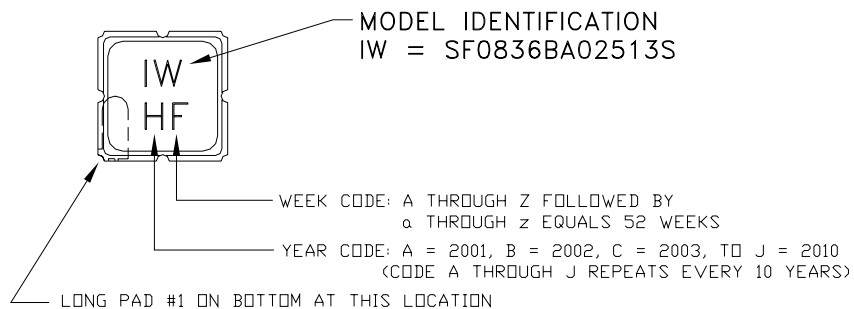
50 ohm single-ended
No matching circuit required



PACKAGE OUTLINE AND SUGGESTED PCB FOOTPRINT



MARKING



All specifications are believed to be accurate and reliable. However, Spectrum Microwave reserves the right to make changes without notice.
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