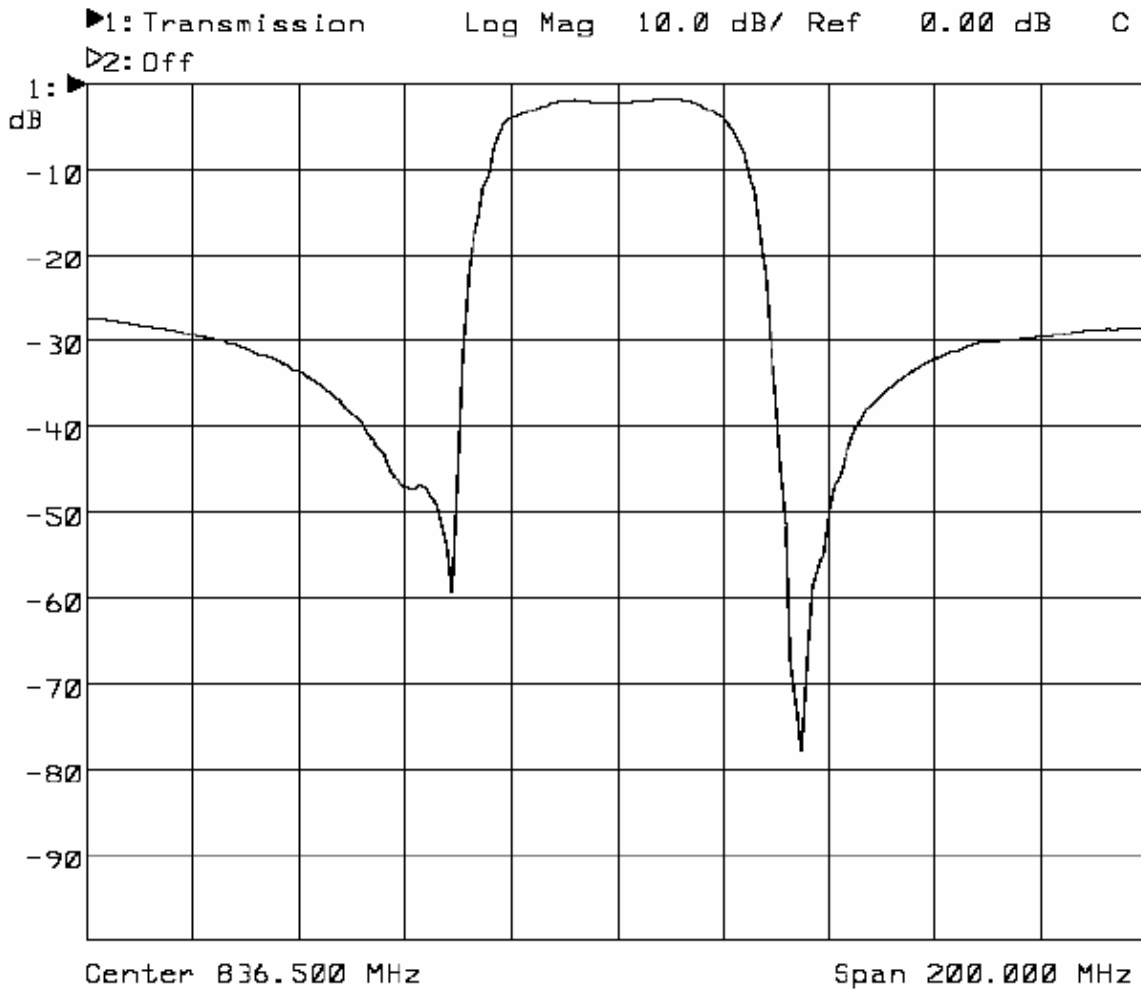




## DESCRIPTION

Miniature 824 to 849 MHz surface acoustic wave (SAW) bandpass filter in a 3.0x3.0 mm LCC package to be used as an 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

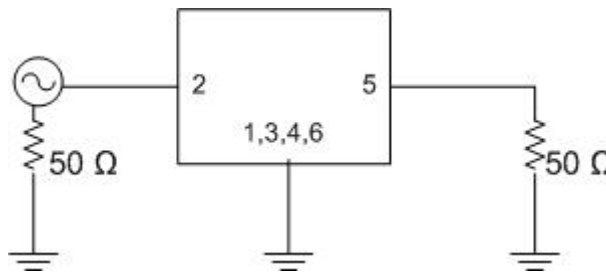
## SPECIFICATION

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

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

## TEST CIRCUIT

50 ohm single-ended  
No matching circuit required

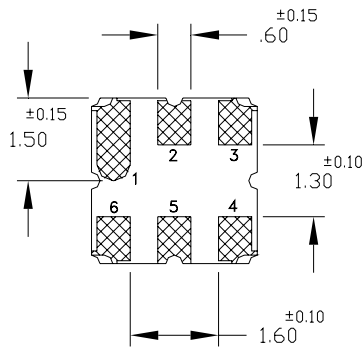
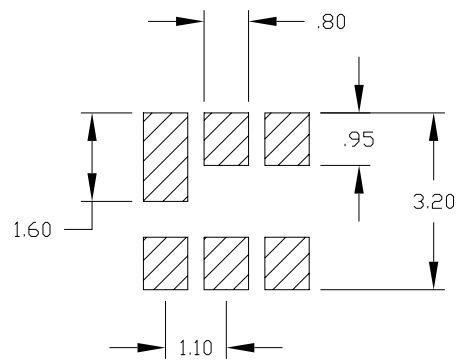
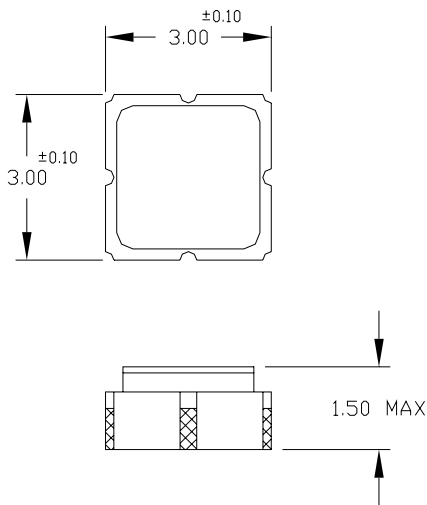




**PACKAGE OUTLINE AND SUGGESTED PCB FOOTPRINT**

3.0 X 3.0 MM, SMP

SUGGESTED PCB FOOTPRINT



PIN NO.	DESCRIPTION
2	INPUT
5	OUTPUT
1, 3, 4, 6	GROUND

NOTES:  
DIMENSIONS IN MM

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