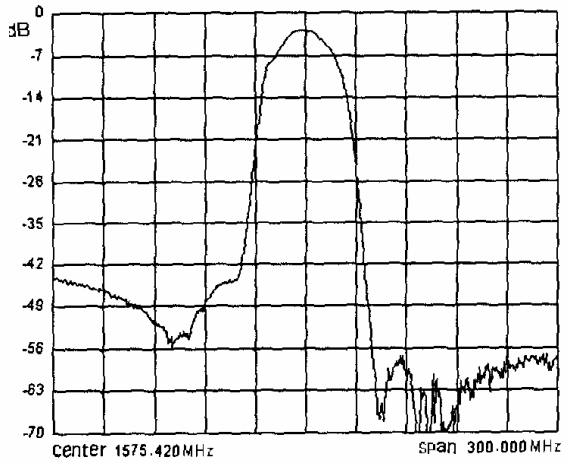
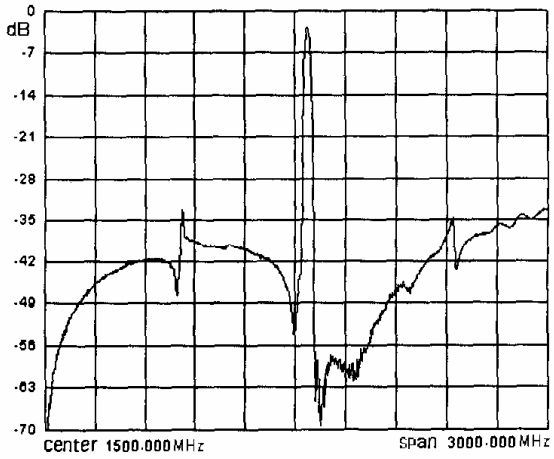
DESCRIPTION

Miniature 1575 MHz surface acoustic wave (SAW) bandpass filter in a 3.0x3.0 mm LCC package to be used as the RF filter in Global Positioning System (GPS) equipment.

TYPICAL PERFORMANCE





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MAXIMUM RATINGS

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

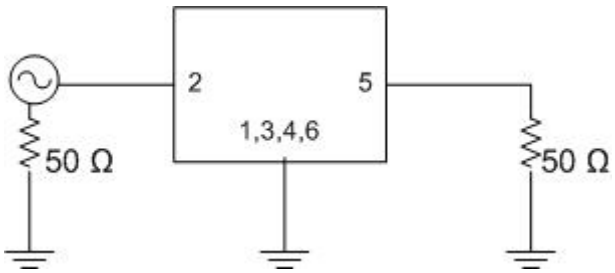
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency F_C		1575.42		MHz
Bandwidth	2.4			MHz
Insertion Loss[1]		1.3	1.8	dB
Passband Amplitude Ripple[1]			1.0	dB
Stopband Rejection[2], 0 to 1450 MHz	40			dB
Stopband Rejection[2], 1450 to 1500 MHz	30			dB
Stopband Rejection[2], 1625 to 1640 MHz	30			dB
Stopband Rejection[2], 1640 to 2000 MHz	45			dB
Stopband Rejection[2], 2000 to 3000 MHz	30			dB
Terminating Impedance		50		Ω// 0nF

Notes: 1. Within passband: 1574.22 to 1576.62 MHz
2. Rejection relative to insertion loss

TEST CIRCUIT

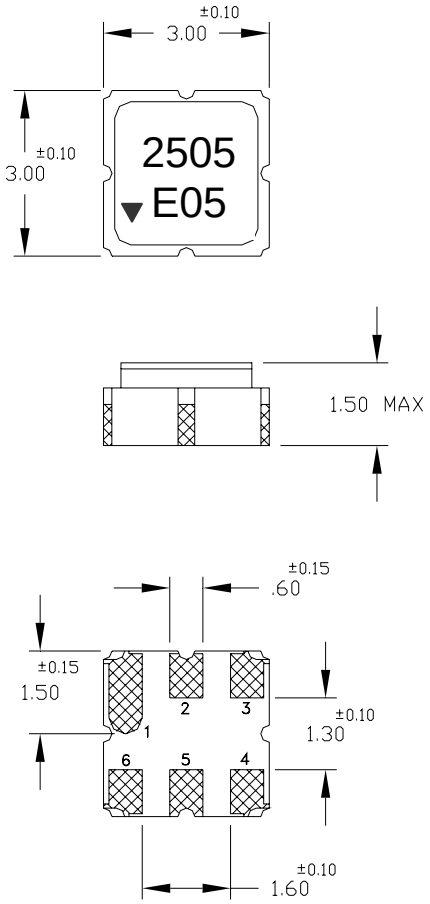
50 ohm single-ended
No matching circuit required



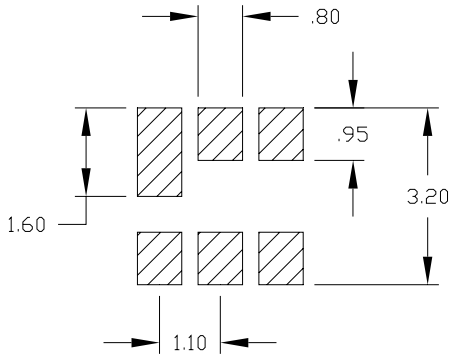
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PACKAGE OUTLINE AND SUGGESTED PCB FOOTPRINT

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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