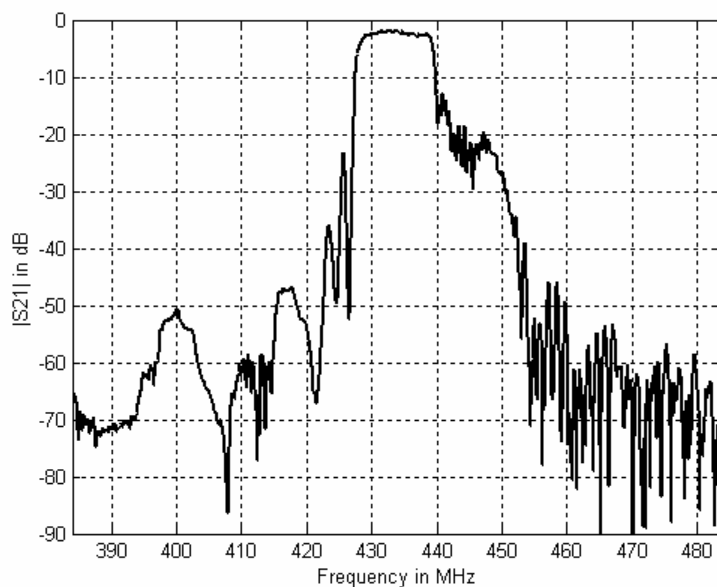




## DESCRIPTION

Miniature 434 MHz surface acoustic wave (SAW) bandpass filter designed to be used as the RF filter in low power ISM transceiver, receiver, and transmitter applications.

## TYPICAL PERFORMANCE



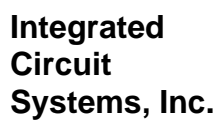
## MAXIMUM RATINGS

Parameter	Min	Max	Units
Operating Temperature Range	-20	+70	°C
Storage Temperature Range	-40	+85	°C
Input Power Level		0	dBm
Max. D. C. Voltage between Each Terminal		10	V

## SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency, $F_c$		434.0		MHz
Passband	4			MHz
Insertion Loss <sup>1</sup>		2.5	3.5	dB
Amplitude Ripple <sup>1</sup>			1.5	dB
Stopband Rejection, 334 – 393.2 MHz	50	55		dB
Stopband Rejection, 474 – 534 MHz	50	55		dB
Terminating Impedance		50		$\Omega$

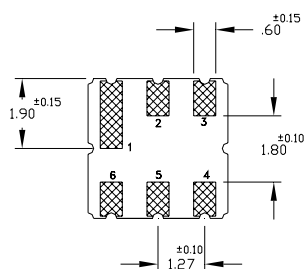
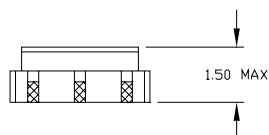
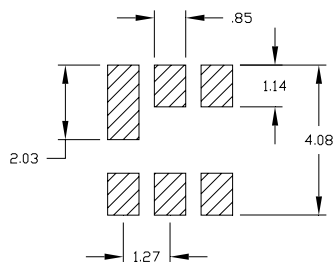
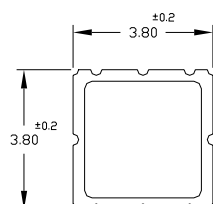
Note: 1. Over passband,  $F_o \pm 2$  MHz



**434 MHz SAW Filter**  
**4 MHz Bandwidth**  
**Part Number SF0434BA02507S**

3.8 X 3.8 MM, SMP

### SUGGESTED PCB FOOTPRINT

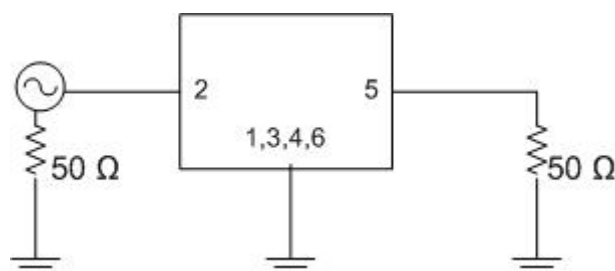


PIN NO.	DESCRIPTION
2	INPUT
5	OUTPUT
1, 3, 4, 6	GROUND

NOTES:  
DIMENSIONS IN MM

## TEST CIRCUIT

50 ohm single-ended  
No matching circuit required



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