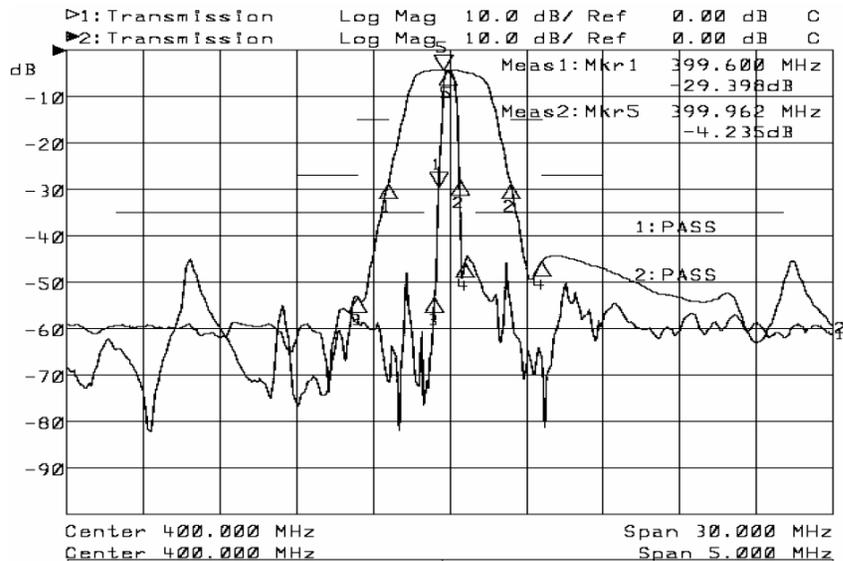




## DESCRIPTION

400 MHz surface acoustic wave filter in 5x5 mm surface mount package to be used as the IF filter in GSM equipment.

## TYPICAL PERFORMANCE



## SPECIFICATION

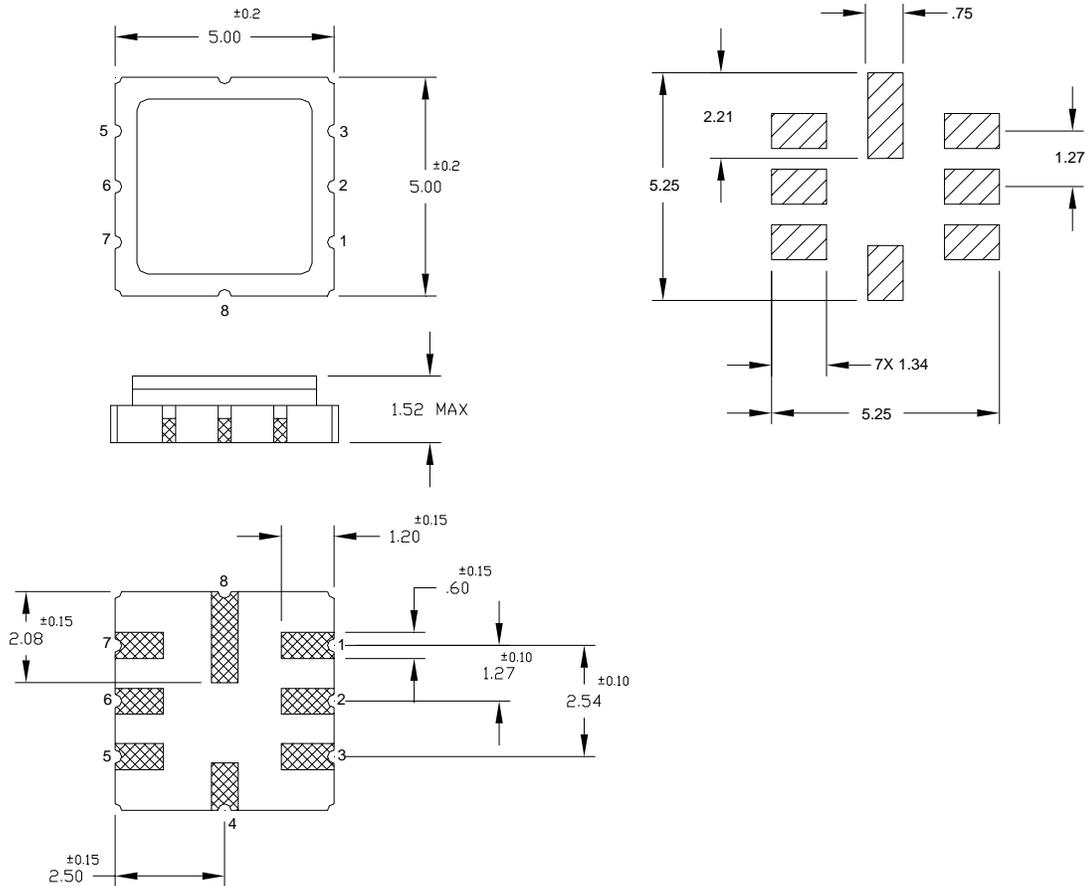
Parameter	Min	Typ	Max	Units
Center Frequency (Fc)		400.0		MHz
Insertion Loss		4	6	dB
Bandwidth (3dB)	166			KHz
Amplitude Ripple <sup>1</sup>			2.0	dB
Rejection, 50 to 398.5 MHz	35			dB
Rejection, 398.5 to 399.2 MHz	20			dB
Rejection, 399.2 to 399.4 MHz	10	53		dB
Rejection, 399.4 to 399.6 MHz	7	29		dB
Rejection, 400.4 to 400.6 MHz	7	27		dB
Rejection, 400.6 to 400.8 MHz	10	45		dB
Rejection, 400.8 to 401.5 MHz	20			dB
Rejection, 401.5 to 500 MHz	35			dB
Group Delay Variation <sup>1</sup>			1.0	usec
Operating Temperature	-30		+ 80	° C
Input Power Level			0	dBm
Terminating Impedance	600 ohm // 90 nH			

Note: 1. Over Fc ± 83 KHz

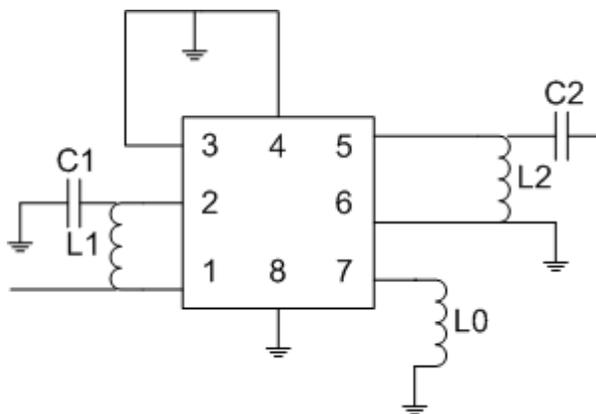


**PACKAGE OUTLINE AND RECOMMENDED PCB FOOTPRINT**

SUGGESTED PCB FOOTPRINT



**TEST CIRCUIT**



- |     |        |     |       |
|-----|--------|-----|-------|
| C1: | 2.7 pF | L0: | 27 nH |
| C2: | 2.7 pF | L1: | 27 nH |
|     |        | L2: | 47H   |

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