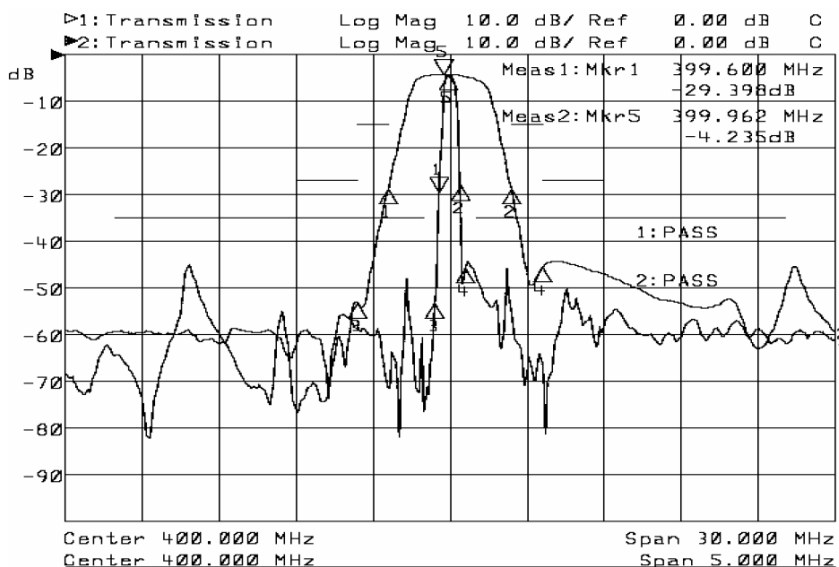




DESCRIPTION

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

TYPICAL PERFORMANCE



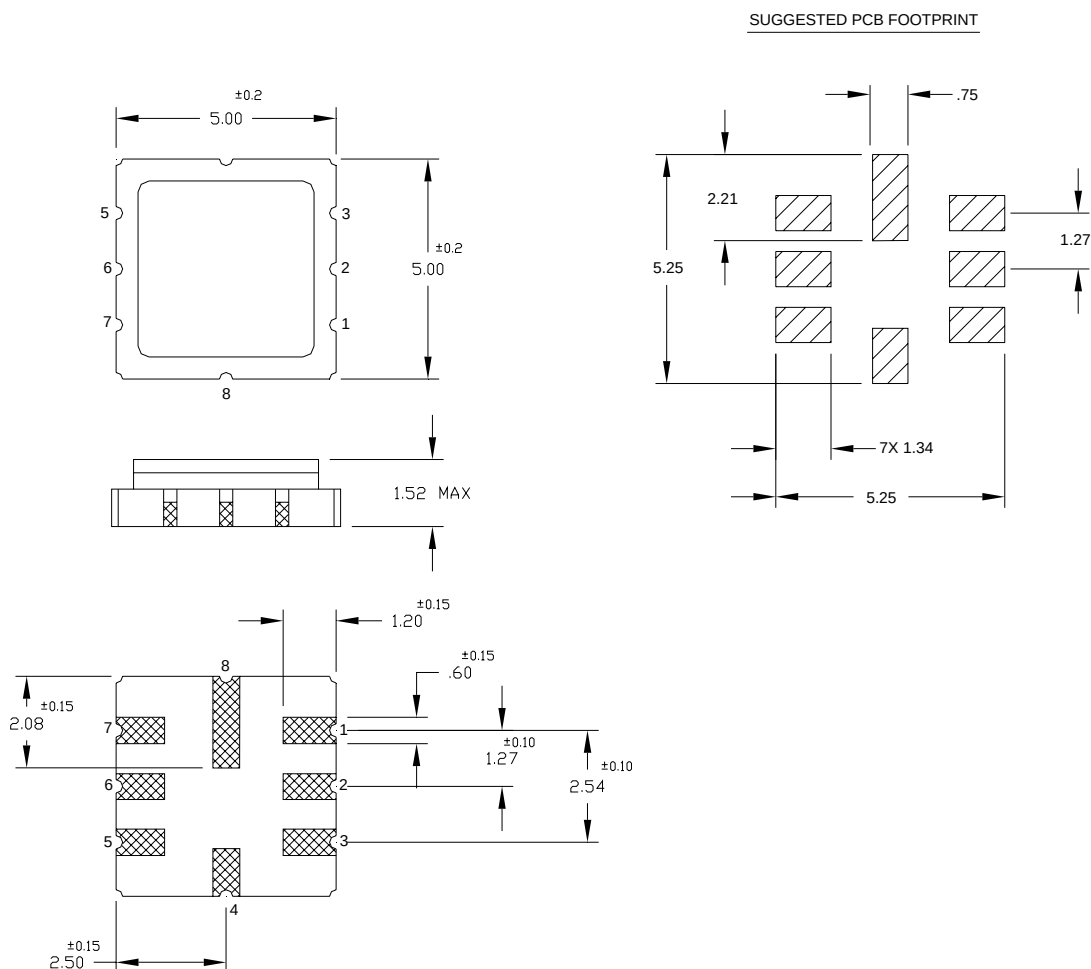
SPECIFICATION

Parameter	Min	Typ	Max	Units
Center Frequency (Fc)		400.0		MHz
Insertion Loss		4	6	dB
Bandwidth (3dB)	166			KHz
Amplitude Ripple ¹			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 ¹			1.0	usec
Operating Temperature	-30		+ 80	° C
Input Power Level			0	dBm
Terminating Impedance	600 ohm // 90 nH			

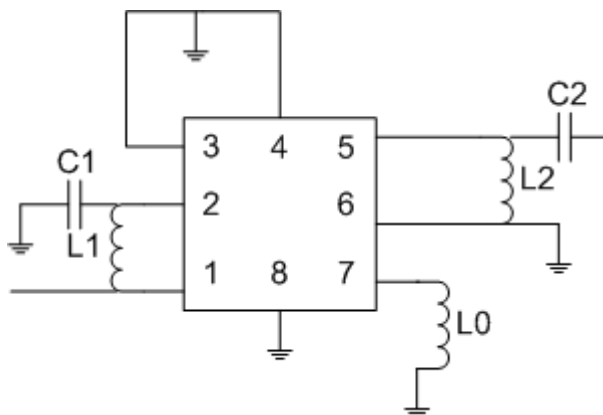
Note: 1. Over Fc ± 83 KHz



PACKAGE OUTLINE AND RECOMMENDED PCB FOOTPRINT



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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