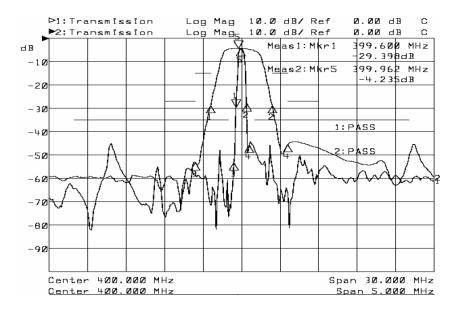


## DESCRIPTION

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

# **TYPICAL PERFORMANCE**

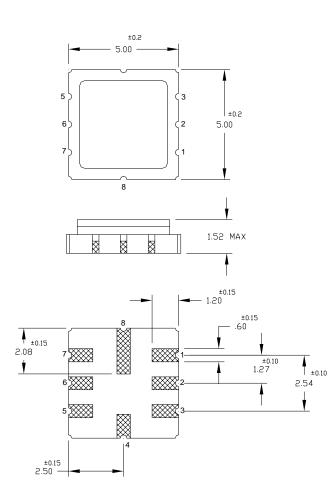


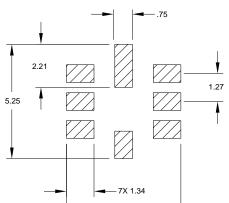
### **SPECIFICATION**

Parameter	Min	Тур	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

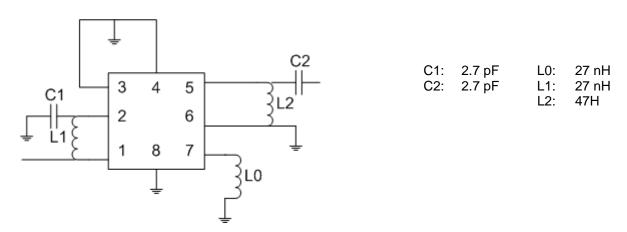




5.25

SUGGESTED PCB FOOTPRINT

### **TEST CIRCUIT**



All specifications are believed to be accurate and reliable. However, ICS reserves the right to make changes without notice. QF12/3 © 2005 Integrated Circuit Systems, Inc. All rights reserved. Rev X1 12-May-05

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