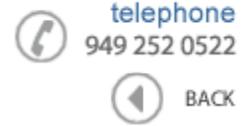




Data Sheet



Product Category: IF SAW Filter

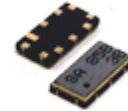
Part Number	Package	Application	Last Modified
809-IF90.0M-A	9.1 x 4.8 SMD	Mobile Communication	Jan. 01, 2007

TYPE :

90.00 MHz IF SAW Filter

PART NUMBER :

809-IF90.0M-A



OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

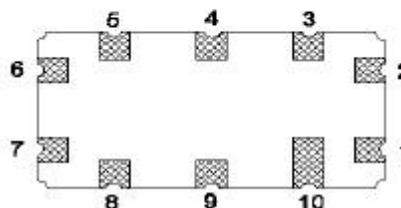
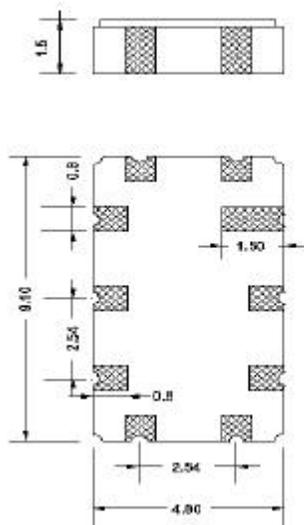
PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	-	90.00	-	MHz
Insertion Loss at Fo	-	9.5	11.0	dB
Attenuation Fo +630 kHz	-	3.5	5.0	dB
Attenuation Fo -630 kHz	-	3.5	5.0	dB
Attenuation Fo +900 kHz	33	37	-	dB
Attenuation Fo -900 kHz	33	37	-	dB
Attenuation Fo +1.7 MHz	35	40	-	dB
Attenuation Fo -1.7 Mhz	35	40	-	dB
Source Impedance (Single Ended/Balanced)*	-	50/1000	-	ohm
Load Impedance (Single Ended/Balanced)*	-	50/1000	-	ohm
Substrate Material	-	Quartz	-	-
Passband Ripple at Fo + 300 kHz	-	0.5	1.0	dB
Phase Linearity at Fo +/-630 kHz	-	2.5	4.0	rms

* With Matching Network (Ref. Testing Environment Circuit as shown below)

Those impedances could be modified with different impedance values and/or structures, if necessary.

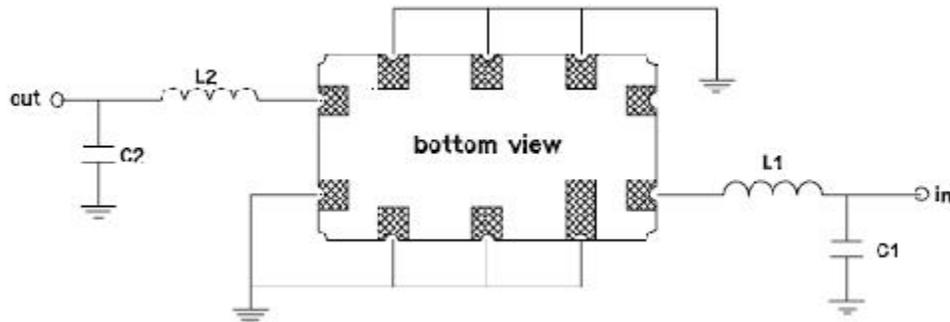
** Custom SAW IF Filters available. Contact Oscilent for assistance.

PACKAGE OUTLINE (mm)



PIN Descriptions:
 1 – Input
 2 – Input or Ground
 6 – Output
 7 – Output or Ground
 3,4,5,8,9,10 – Ground

TEST CIRCUIT

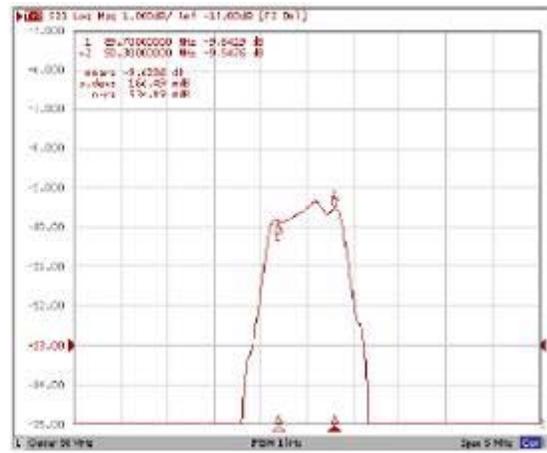
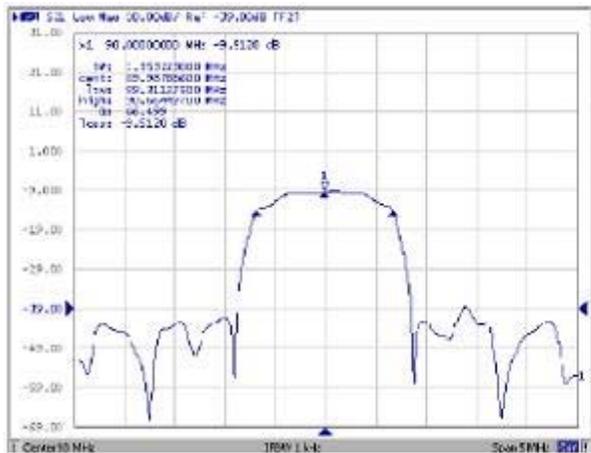


TEST FIXTURE AND VALUES/SOURCE AND LOAD IMPEDANCE 50 ohm

INPUT: L1: 330nH Q>40, C1: 51pF

OUTPUT: L2: 242 nH Q>40, C2: 82pF

FREQUENCY RESPONSE



Oscilent Corporation - CALL **949.252.0522**
 18195 East McDermott Street , Building D , Irvine , CA 92614 , USA
 Fax: 949.252.0599 , E-Mail: Sales@Oscilent.com

Part No.: 809-IF90.0M-A