



**Data Sheet**



Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
809-IF38.912M-C	9.1 x 4.8 SMD	Mobile Communication	Jan. 01, 2007

TYPE :

38.912 MHz IF SAW Filter  
1.5 MHz Bandwidth



PART NUMBER :

**809-IF38.912M-C**

**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

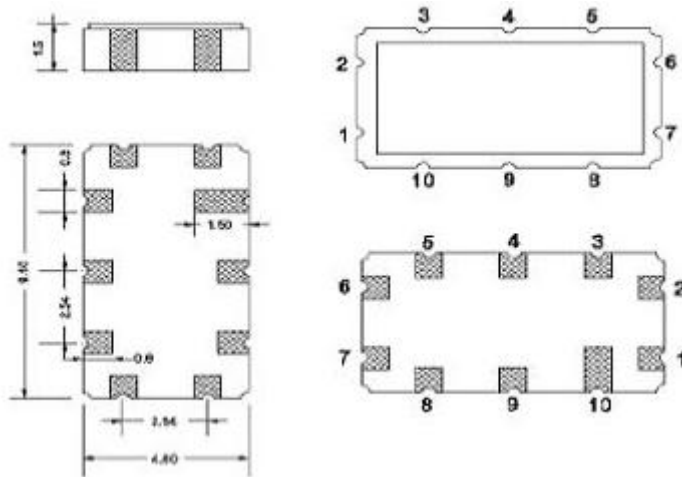
PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	38.812	38.912	40.012	MHz
Insertion Loss at Fo	-	22.5	25.0	dB
-3.0 dB Bandwidth	1.40	1.50	-	MHz
-30.0 dB Bandwidth	-	2.85	3.00	MHz
Spurious Response 30.00 to 36.26 MHz	35	40	-	dB
Spurious Response 36.26 to 37.30 MHz	33	37	-	dB
Spurious Response 40.60 to 41.40 MHz	35	40	-	dB
Spurious Response 41.40 to 50.00 MHz	35	38	-	dB
Source Impedance (Single Ended)*	-	50	-	ohm
Load Impedance (Single Ended)*	-	50	-	ohm
Temperature Coefficient	-	20	-	ppm/°C

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

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

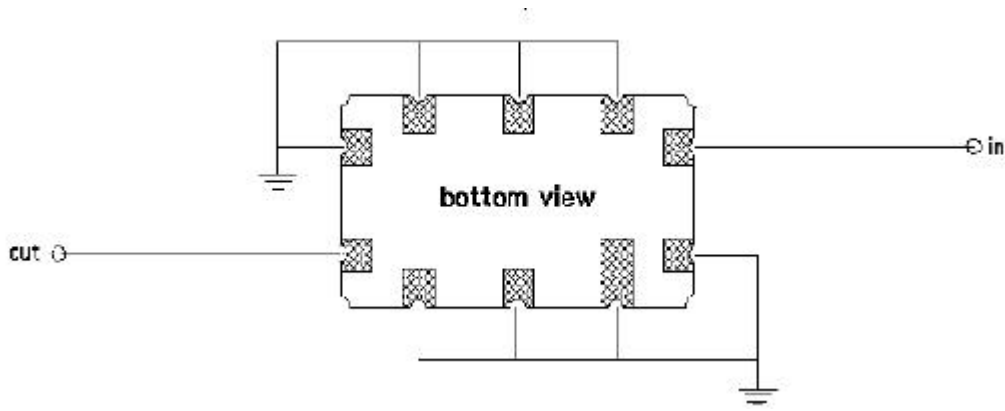
\*\* Custom SAW IF Filters available. Contact Oscilent for assistance.

**PACKAGE OUTLINE (mm)**



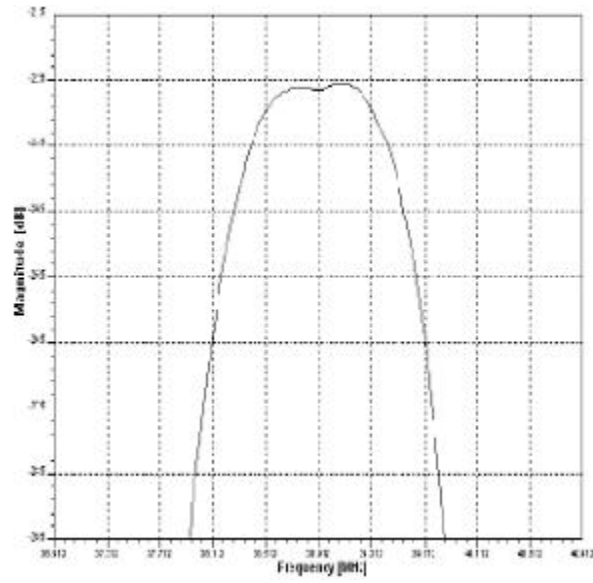
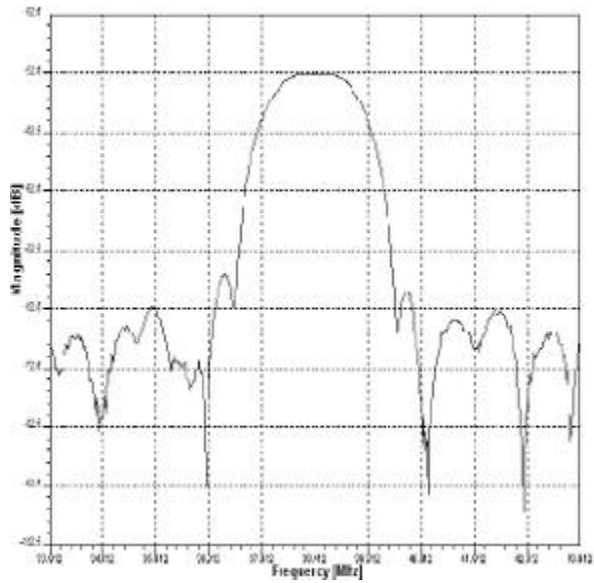
**PIN Descriptions:**  
 2 – Input  
 7 – Output  
 6 – Output or Ground  
 1,3,4,5,8,9,10 – Ground  
 Index – Left-bottom of Marking

**TEST CIRCUIT**



SOURCE AND LOAD IMPEDANCE 50 ohm

**FREQUENCY RESPONSE**



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