

**Data Sheet**
telephone
 949 252 0522


BACK

Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
813-IF70.0M-BB	13.3 x 6.5 SMD	IF SAW Filter	Jan. 01, 2007

TYPE :

70.0MHz IF SAW Filter

PART NUMBER :

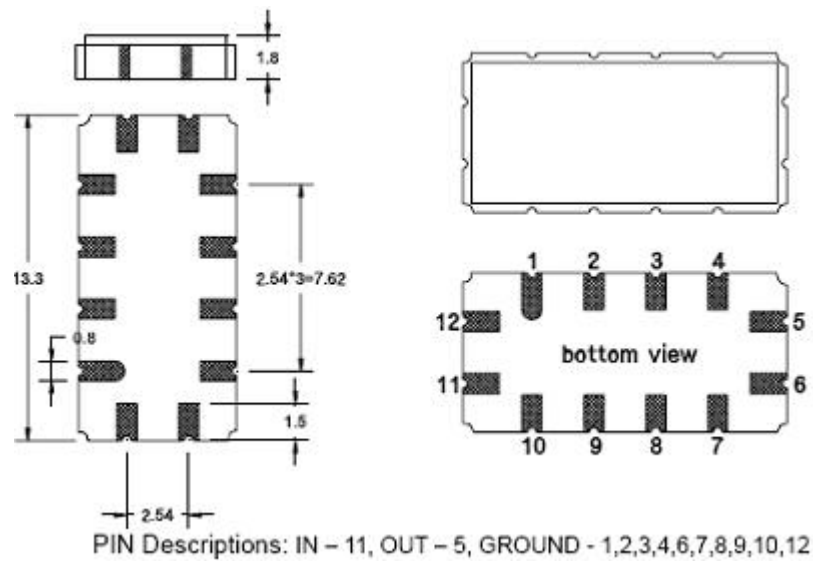
813-IF70.0M-BB**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	69.95	70.00	70.05	MHz
Insertion Loss at Fo	-	23.5	25.0	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Temperature Coefficient	-	-20	-	ppm/C
Amplitude Ripple within fo +/-4.35MHz	-	0.8	1.0	dBp-p
1dB Bandwidth	9.05	9.15	-	MHz
3dB Bandwidth	9.35	9.42	-	MHz
40dB Bandwidth	-	10.70	10.80	MHz
Relative Attenuation	-			
from 10 to 64.5 MHz	40	43	-	dB
from 75.5 to 140 MHz	40	43	-	dB
Absolute Delay at Fo	-	1.64	-	us
IN/OUT Return Loss at Fo	-	-	-	dB
Group Delay Variation/ fo +/-4.35MHz	-	65	120	ns

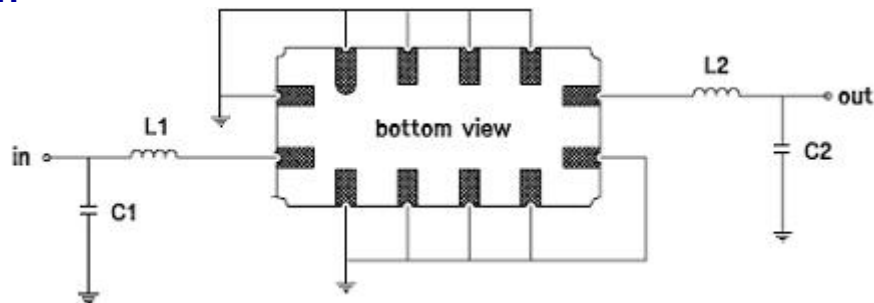
*With Matching Network (Ref. Testing Environment Circuit as Shown Below).

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

PACKAGE OUTLINE (mm)



TEST CIRCUIT

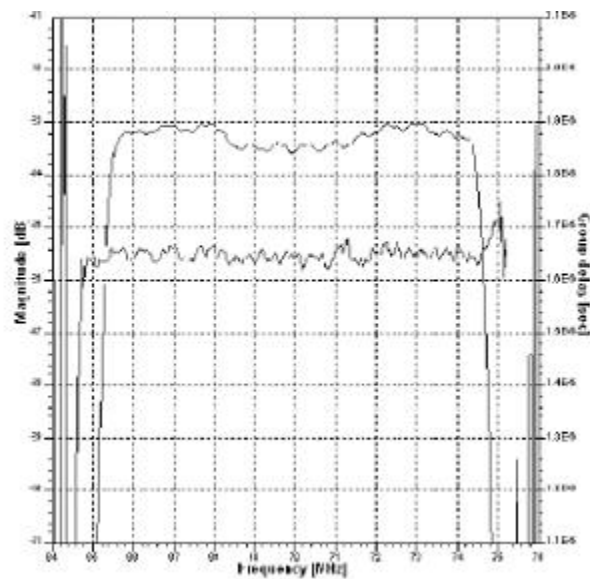
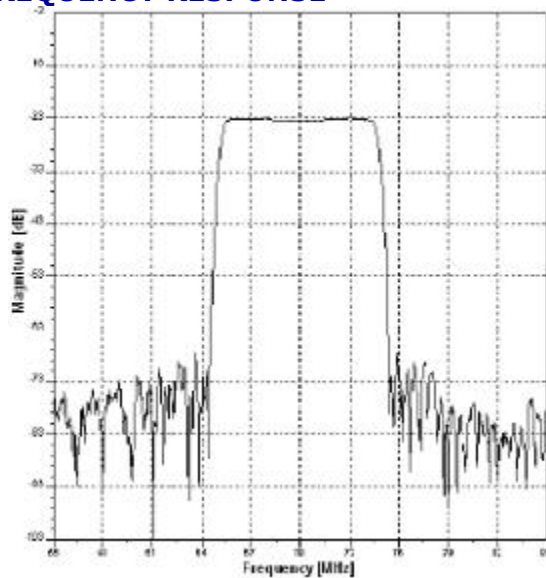


TEST FIXTURE AND VALUES/SOURCE AND LOAD IMPEDANCE 50 ohm

INPUT: L1: 158.2 nH Q>40; C1: 47 pF

OUTPUT: L2: 276 nH Q>40; C2: 56 pF

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.: 813-IF70.0M-BB

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