



Data Sheet



Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
813-SL70.0M-10	13.3 x 6.5 SMD	IF SAW Filter	Jan. 01, 2007

TYPE :
Low-Loss 70MHz IF SAW Filter

PART NUMBER :
813-SL70.0M-10



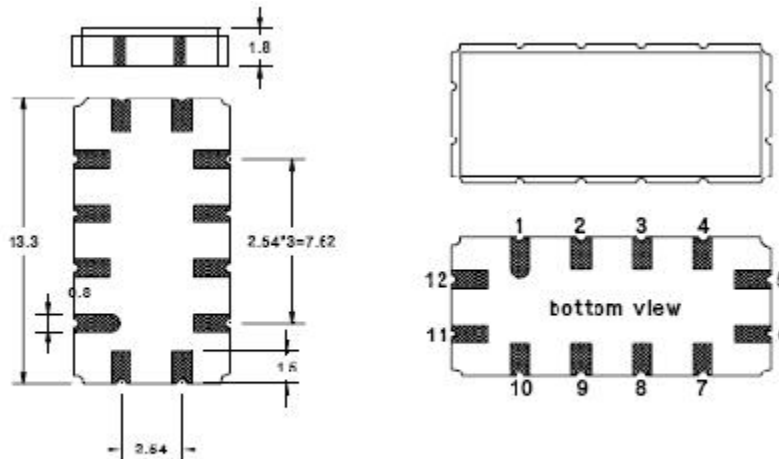
OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	-	70.0	-	MHz
Insertion Loss at Fo	-	10.4	12.0	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Temperature Coefficient	-	-94	-	ppm/C
Amplitude Ripple	-	0.55	1.0	dBp-p
1dB Bandwidth	9.5	9.8	-	MHz
3dB Bandwidth	10.2	10.4	-	MHz
40dB Bandwidth	-	13.1	14.0	MHz
Relative Attenuation:	-			
Lower sidelobe	40	48	-	dB
Upper sidelobe	40	45	-	dB
Absolute Delay at Fo	-	1.2	-	us
IN/OUT Return Loss at Fo	-	-	-	dB
Group Delay Variation	-	55	150	ns

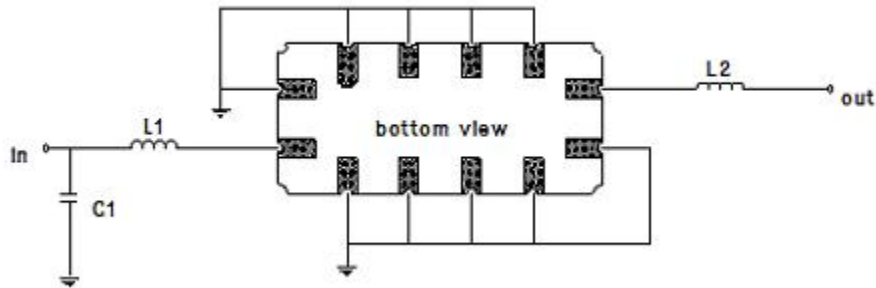
*With Matching Network (Ref. Testing Environment Circuit as Shown Below).

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

PACKAGE OUTLINE (mm)



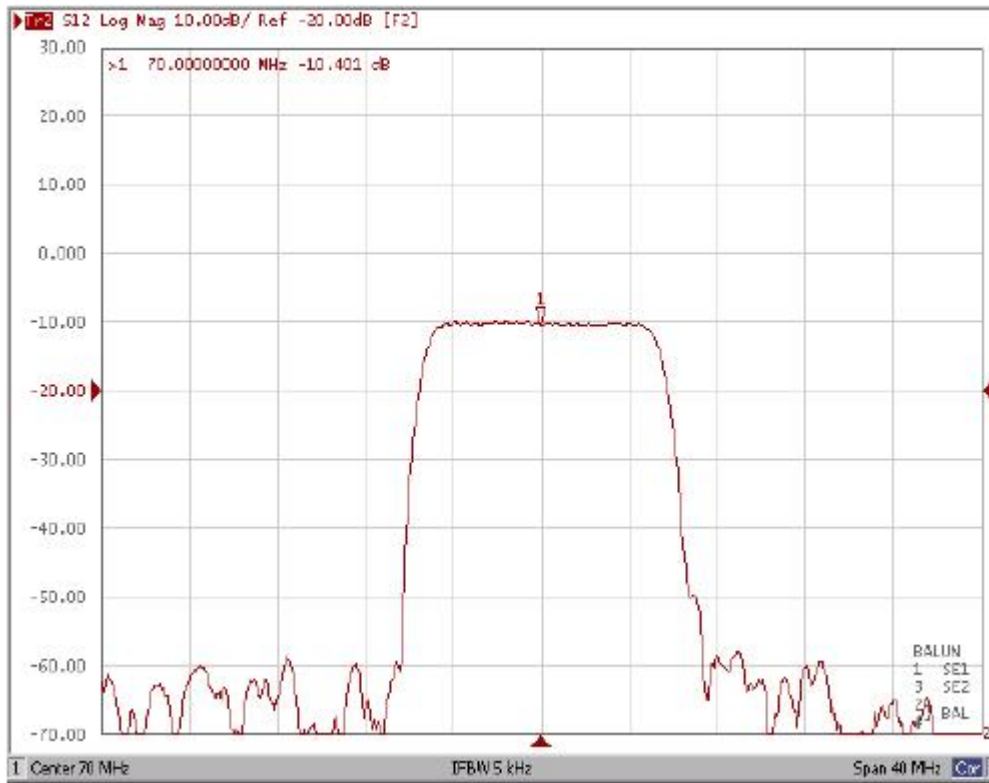
PIN Descriptions: IN 11, OUT 5, GROUND 1,2,3,4,6,7,8,9,10,12

TEST CIRCUIT

TEST FIXTURE AND VALUES/SOURCE AND LOAD IMPEDANCE 50 ohm

INPUT: L1: 220 nH Q>40; C1: 20 pF

OUTPUT: L2: 180nH Q>40

FREQUENCY RESPONSE

Oscilent Corporation - CALL **949.252.0522**

Part No.: 813-SL70.0M-10

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