



Data Sheet



Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
813-SL70.0M-20	13.3 x 6.5 SMD	IF SAW Filter	Jan. 01, 2007

TYPE :

Low-Loss 70MHz IF SAW Filter

PART NUMBER :

813-SL70.0M-20



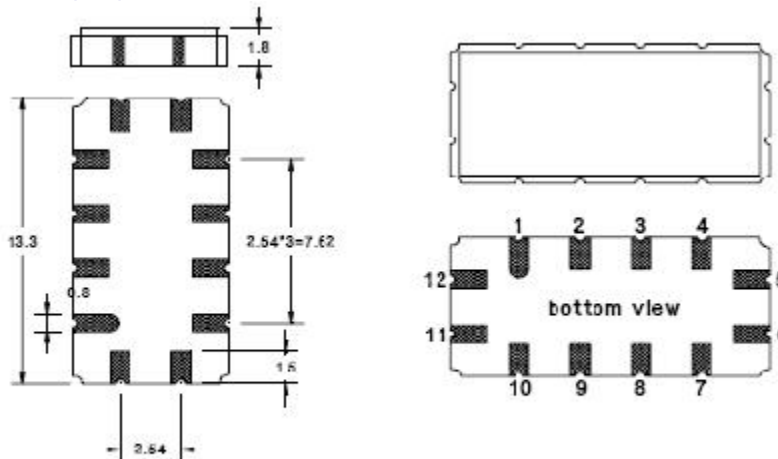
OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	69.8	70.0	70.2	MHz
Insertion Loss at Fo	-	15.5	16.5	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Temperature Coefficient	-	-94	-	ppm/C
Amplitude Ripple	-	0.5	1.0	dBp-p
1dB Bandwidth	18.7	18.99	-	MHz
3dB Bandwidth	19.7	20.05	-	MHz
40dB Bandwidth	-	24.08	25.5	MHz
Relative Attenuation:	-			
Lower sidelobe	40	45	-	dB
Upper sidelobe	40	45	-	dB
Absolute Delay at Fo	-	0.85	-	us
IN/OUT Return Loss at Fo	-	-	-	dB
Group Delay Variation	-	25	50	ns

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

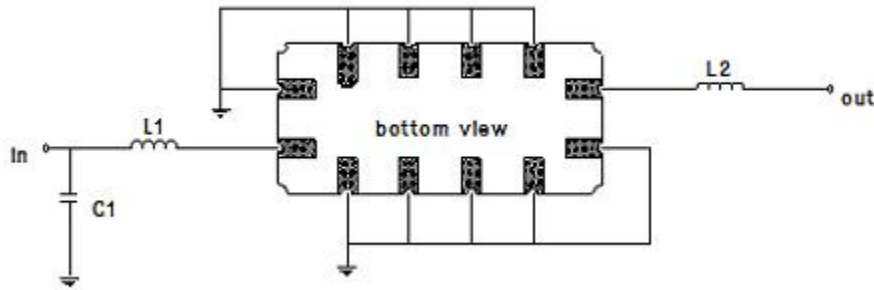
Those impedances could be modified with different impedance values and/or structures, if necessary

PACKAGE OUTLINE (mm)



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

TEST CIRCUIT

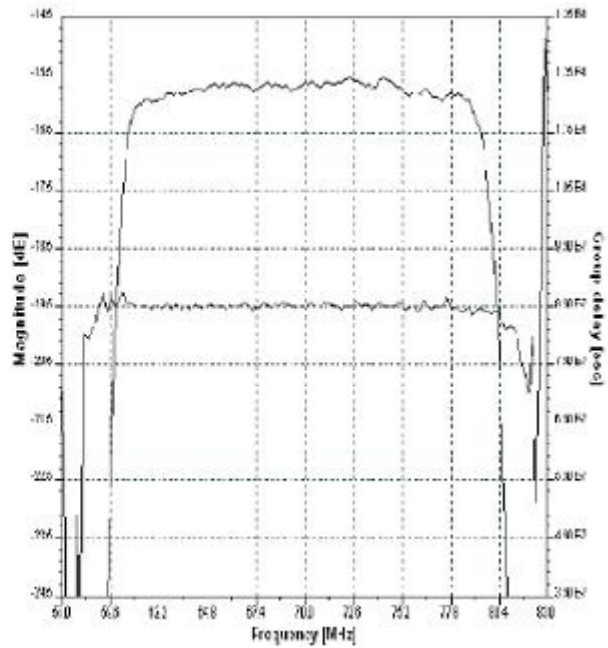
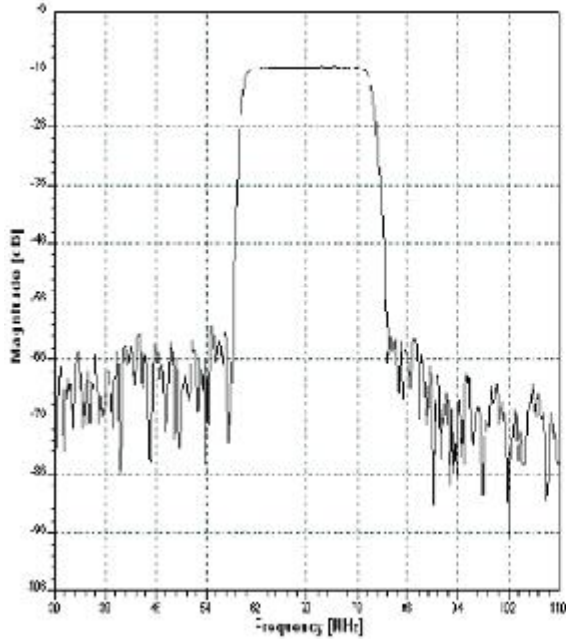


TEST FIXTURE AND VALUES/SOURCE AND LOAD IMPEDANCE 50 ohm

INPUT: L1: 68 nH Q>40;

OUTPUT: L2: 270nH Q>40 C2: 20 pF

FREQUENCY RESPONSE



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Part No.: 813-SL70.0M-20