



**Data Sheet**



Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
813-SL76.8M-20	13.3 x 6.5 SMD	IF SAW Filter	Jan. 01, 2007

TYPE :  
IF SAW Filter



PART NUMBER :  
**813-SL76.8M-20**

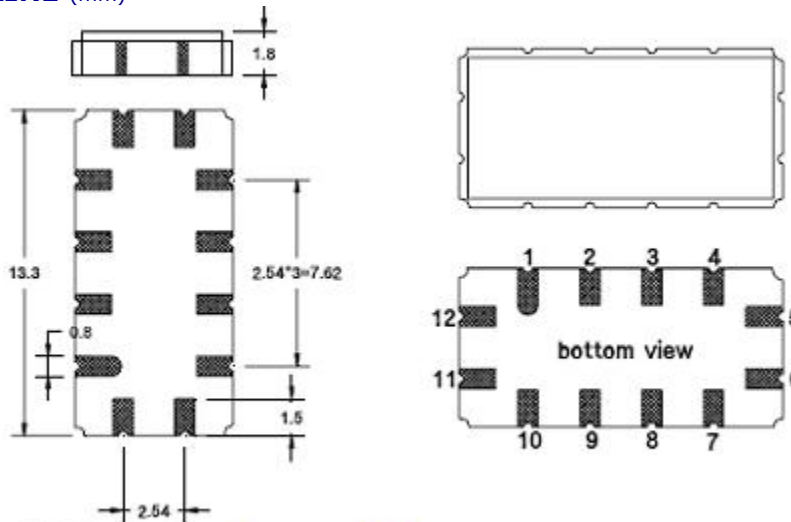
**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	-	76.8	-	MHz
Insertion Loss at Fo	-	15.5	17.0	dB
Source Impedance (balanced ended)*	-	100	-	ohm
Load Impedance (balanced ended)*	-	100	-	ohm
Temperature Coefficient	-	-94	-	ppm/C
Amplitude Ripple	-	0.5	1.0	dBp-p
1dB Bandwidth	20	21.2	-	MHz
3dB Bandwidth	-	22.2	-	MHz
40dB Bandwidth	-	26.2	28	MHz
Relative Attenuation:	-			
Fo +/- 25MHz	40	48	-	dB
Fo +/- 35MHz	40	52	-	dB
Absolute Delay at Fo	-	0.8	-	us
Passband Phase Ripple	-	5	9	Deg.
Operating Temperature	0	-	+50	C

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

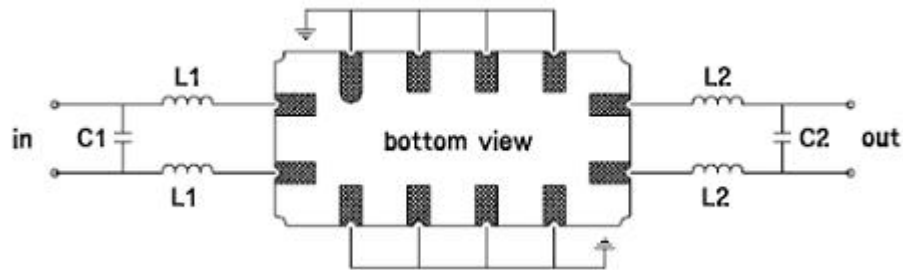
Those impedances could be modified with different impedance values and/or structures, if necessary

**PACKAGE OUTLINE (mm)**



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

**TEST CIRCUIT**

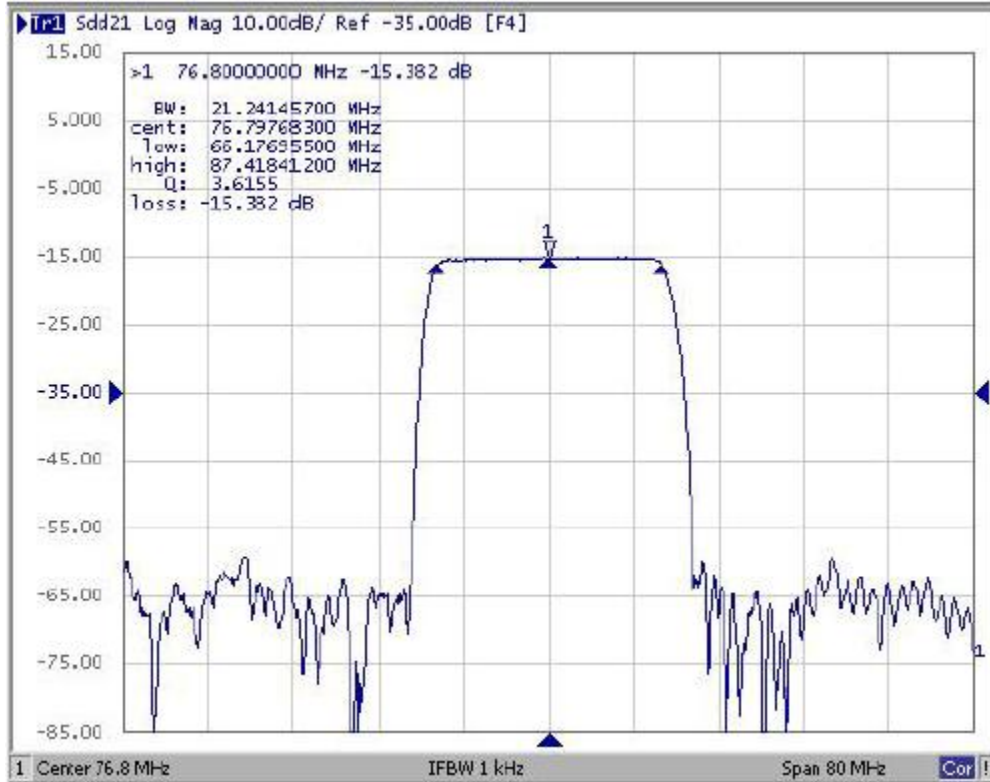


TEST FIXTURE AND VALUES/SOURCE AND LOAD IMPEDANCE 50 ohm

INPUT: L1: 120 nH; C1: 10 pF

OUTPUT: L2: 150 nH; C2: 10 pF

## FREQUENCY RESPONSE



**Oscilent Corporation** - CALL **949.252.0522**

**Part No.:** 813-SL76.8M-20

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