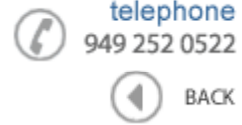




Data Sheet



Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
813-SL160.0M-10	13.3 x 6.5 SMD	Low-Loss 160MHz	Jan 01, 2007

TYPE :

Low-Loss 160MHz IF SAW Filter



PART NUMBER :

813-SL160.0M-10

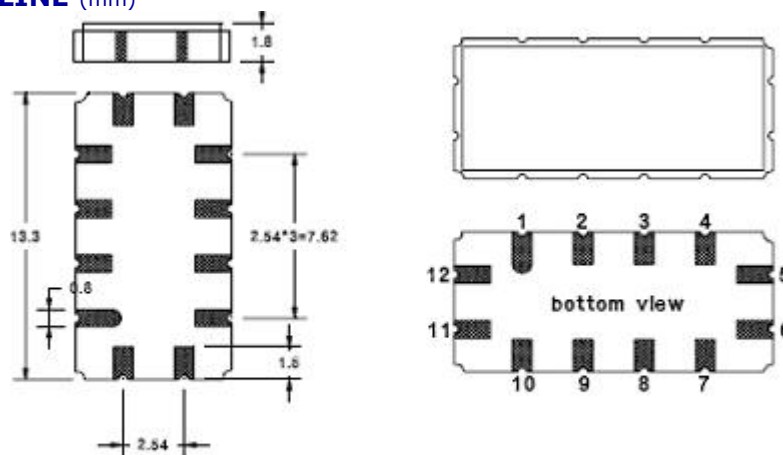
OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	-	160.0	-	MHz
Insertion Loss at Fo	-	9.7	12.0	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Temperature Coefficient	-	-94	-	ppm/C
Amplitude Ripple	-	0.8	1.0	dBp-p
-1.0 dB Bandwidth	9.5	9.8	-	MHz
-3.0 dB Bandwidth	10.3	10.6	-	MHz
-40.0 dB Bandwidth	-	13.6	14.5	MHz
Relative Attenuation:	-			
Lower Sidelobe	40	50	-	dB
Upper Sidelobe	40	43	-	dB
Absolute Delay at Fo	-	0.91	-	us
Group Delay Variation	-	55	150	ns
IN/OUT Return Loss at Fo	-	-	-	dB

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

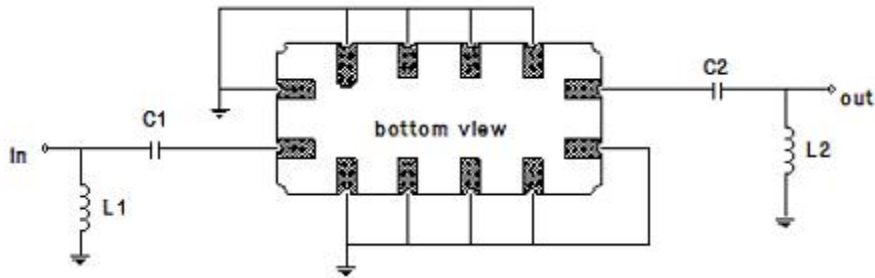
Those impedances could be modified with different impedance values and/or structures, if necessary

PACKAGE OUTLINE (mm)



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

TEST CIRCUIT

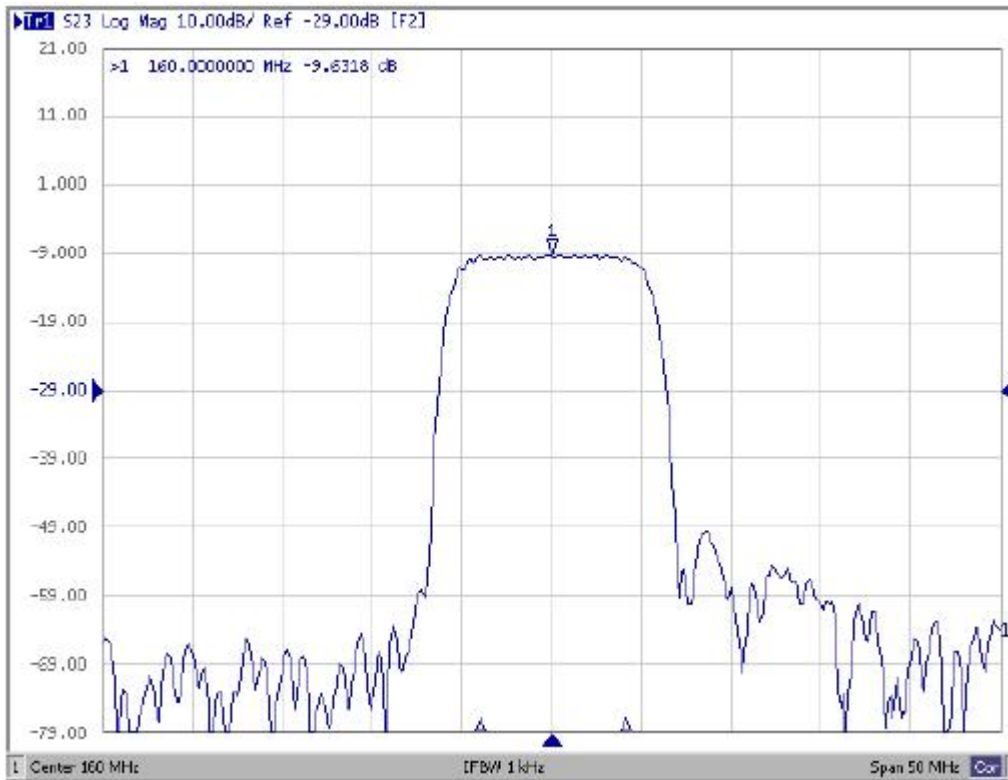


TEST FIXTURE AND VALUES/SOURCE AND LOAD IMPEDANCE 50 ohm

INPUT: L1: 27nH, Q>40; C1: 68 pF

OUTPUT: L2: 27nH, Q>40; C2: 43 pF

FREQUENCY RESPONSE



Oscilent Corporation - CALL **949.252.0522**

Part No.: 813-SL160.0M-10

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