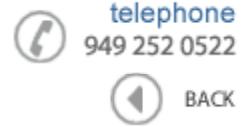




Data Sheet



Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
813-SL140.0M-10	13.3 x 6.5 SMD	Base Station & Repeater	Apr 18, 2007

TYPE :
140.0 MHz Bandpass Filter
Low Loss



PART NUMBER :
813-SL140.0M-10

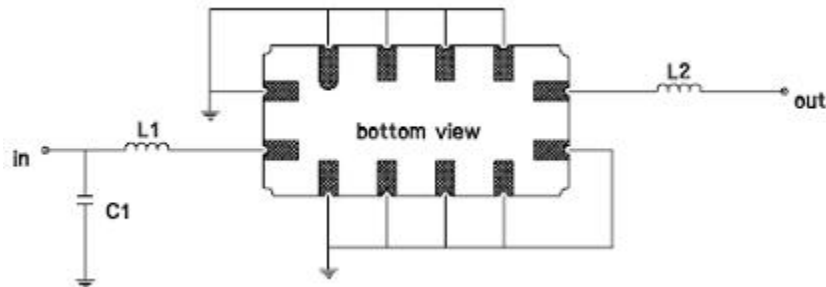
OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

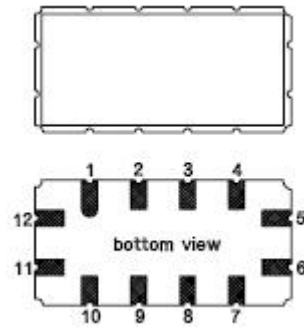
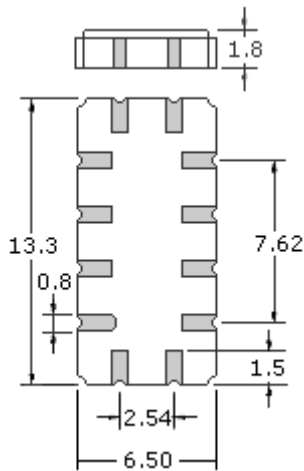
PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	139.6	140.0	140.4	MHz
Insertion Loss at Fo	-	10.5	11.5	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Bandwidth at -1.5 dB	8.9	9.3	-	MHz
Bandwidth at -3.0 dB	9.0	9.9	-	MHz
Bandwidth at -35.0 dB	-	13.5	14.5	MHz
Relative Attenuation:	-			
from 10 to 132 MHz	40	48	-	dB
from 149 to 260 MHz	40	45	-	dB
Amplitude Ripple within fo +/- 3.6MHz	-	0.6	1.0	dBp-p
Group Delay Variation (Fo +/- 3.6MHz)	-	100	150	nsec
Absolute Delay at Fo	-	1.03	-	µsec
Temperature Coefficient	-	-94	-	ppm/°C
In/Out Return Loss at Fo	-	-	-	dB

*With Matching Network (Reference Testing Environment Circuit as shown) Modify Impedance Values as necessary.

PACKAGE OUTLINE (mm)

TEST FIXTURE

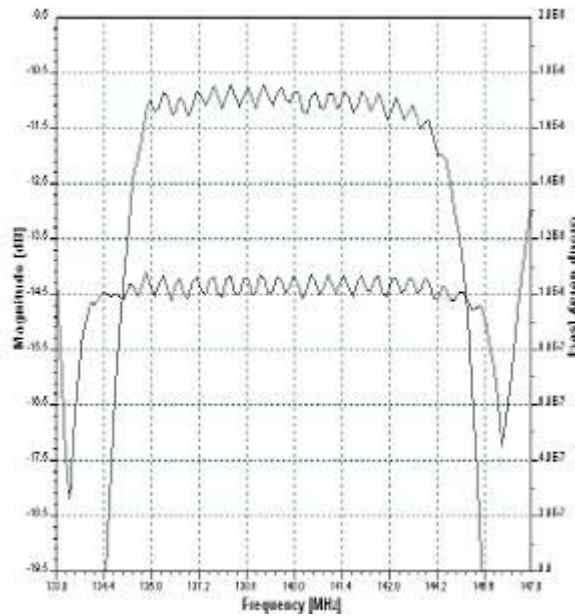
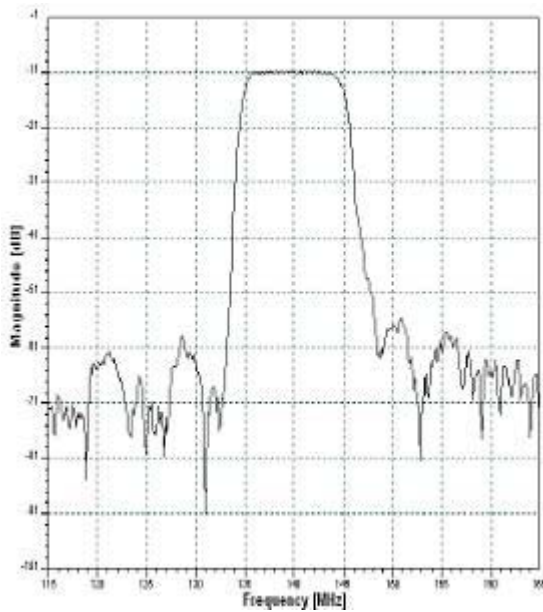




PIN Descriptions IN-11,OUT-5,GROUND-1,2,3,4,6,7,8,9,10,12

Test Fixture & Values	
Input	L1=82nH Q >40 , C1=30pF
Output	L2=56nH Q >40

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-SL140.0M-10