



**Data Sheet**



Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
813-SL140.0M-07	13.3 x 6.5 SMD	Base Station & Repeater	Apr 18, 2007

TYPE :

140.0 MHz Bandpass Filter  
 Low Loss  
 Narrow Bandwidth



PART NUMBER :

**813-SL140.0M-07**

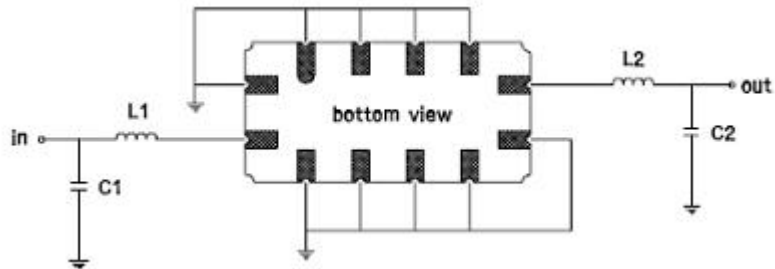
**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

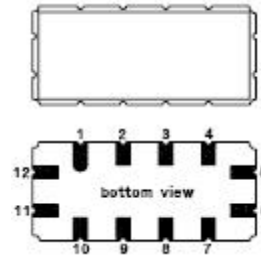
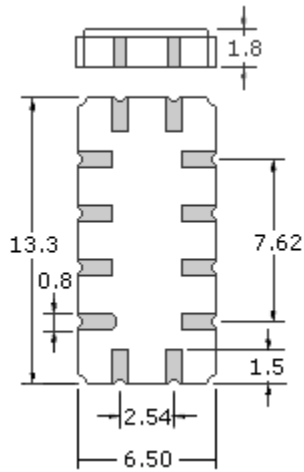
PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	139.85	140.0	140.15	MHz
Insertion Loss at Fo	-	12.0	13.5	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Bandwidth at -1.0 dB	6.5	6.7	-	MHz
Bandwidth at -3.0 dB	7.4	7.6	-	MHz
Bandwidth at -40.0 dB	-	10.4	10.6	MHz
Bandwidth at -45.0 dB	-	10.8	11.0	MHz
Relative Attenuation:	-	-	-	-
Lower Sidelobe	45	48	-	dB
Upper Sidelobe	45	50	-	dB
Amplitude Ripple	-	0.4	1.0	dBp-p
Group Delay Variation	-	60	100	nsec
Absolute Delay at Fo	-	0.96	-	µsec
Temperature Coefficient	-	-94	-	ppm/°C

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

**PACKAGE OUTLINE (mm)**

**TEST FIXTURE**





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

Test Fixture & Values	
Input	L1=47nH Q >40, C1=47pF
Output	L2=47nH Q.>40, C2=47pF

### FREQUENCY RESPONSE



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**Part No.:** 813-SL140.0M-07