



Data Sheet

telephone  
949 252 0522

BACK

Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
813-SL96.0M-35	13.3 x 6.5mm SMD	Base Station & Repeater	Apr 18, 2007

TYPE :

96.00 MHz Filter

36.00 MHz Bandwidth



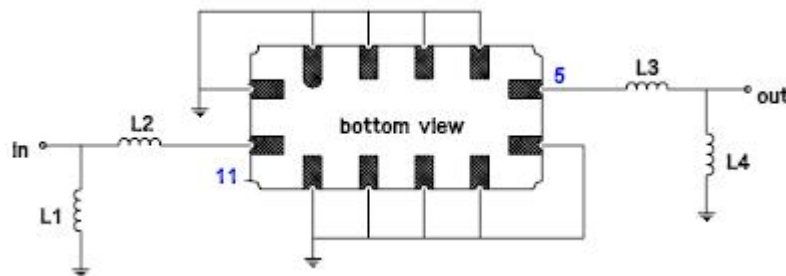
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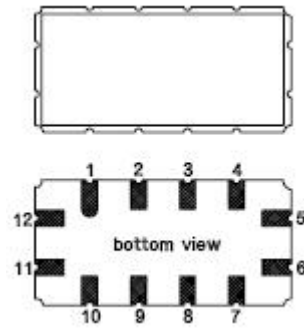
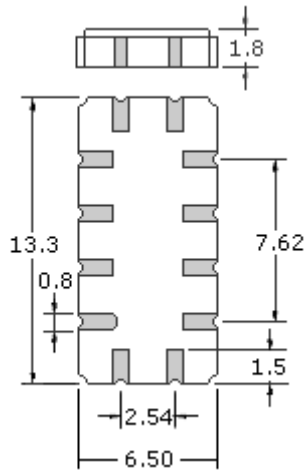
**813-SL96.0M-35****OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	-	96.0	-	MHz
Insertion Loss	-	16.8	18.5	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Bandwidth -1.0 dB	35.0	36.0	-	MHz
Bandwidth -3.0 dB	36.0	36.8	-	MHz
Bandwidth -30.0 dB	-	40.0	41.0	MHz
Amplitude Ripple (Fo +/- 2.5MHz)	-	0.4	0.7	dBp-p
Amplitude Ripple	-	1.2	2.0	dBp-p
Group Delay Variation	-	65	120	nsec
Group Delay Variation (Fo +/- 2.5MHz)	-	38	70	nsec
Absolute Delay	-	0.942	-	µsec
Relative Attenuation	40	47	-	dB
Ambient Temperature	-	25	-	°C
Temperature Coefficient	-	-94	-	ppm/°C

\*With Matching Network(ref. Testing Environment Circuit as shown below)

\*Custom parameters available. Contact Oscilent Sales for discussion.

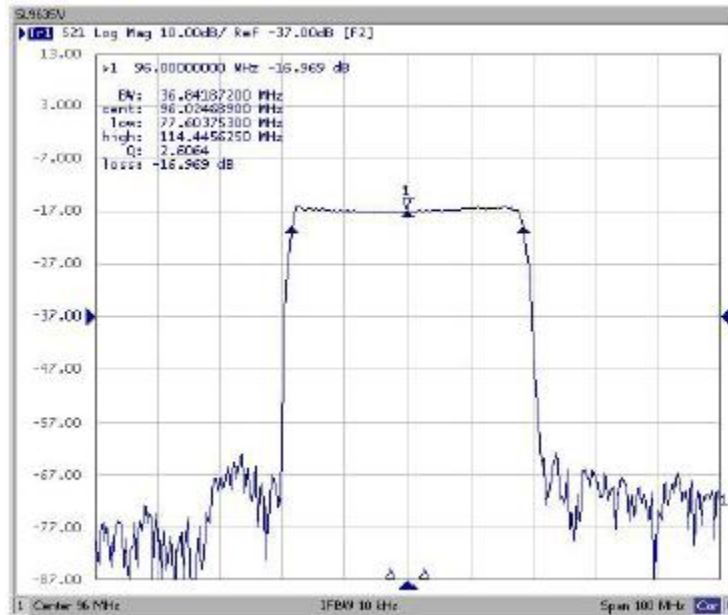
**PACKAGE OUTLINE** (mm)**TEST FIXTURE**



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

L1 = 68nH                      L2 = 56pF  
 L3 = 56nH                      L4 = 68pF  
 Source/Load Impedance = 50 ohms

### Frequency Responce



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

**Part No.:** 813-SL96.0M-35

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