



Data Sheet



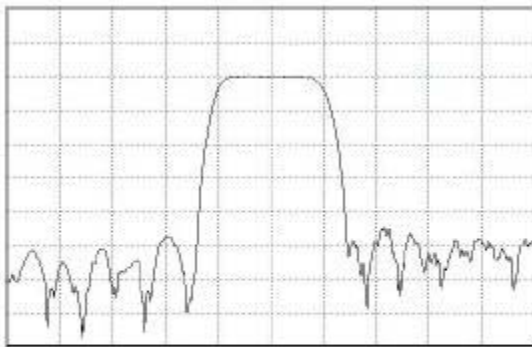
Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
813-SL70.0M-07	13.3 x 6.5mm SMD	Base Station & Repeater	Apr 18, 2007

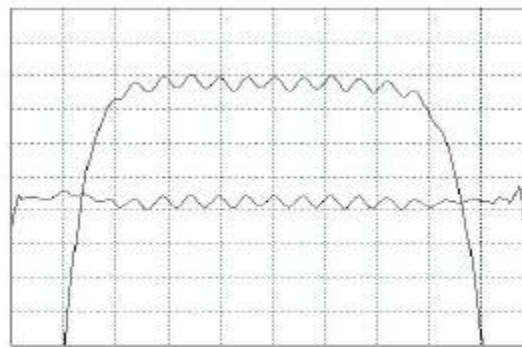
TYPE :
 70.0 MHz Bandpass Filter
 Low Loss
 7 MHz Bandwidth



PART NUMBER :
813-SL70.0M-07



Horizontal : 4.0 MHz/Div
 Vertical : 10 dB/Div



Horizontal : 1.1 MHz/Div
 Vertical : 1 dB/Div
 Vertical : 200 ns/Div

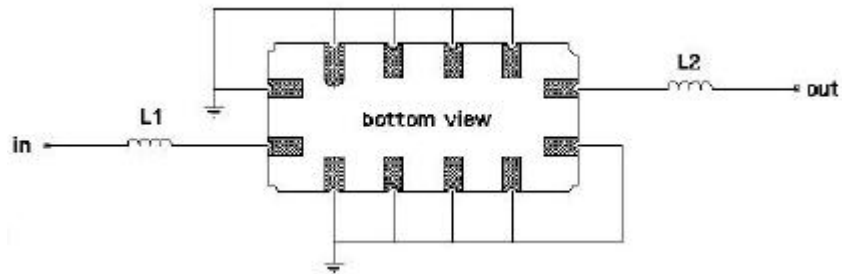
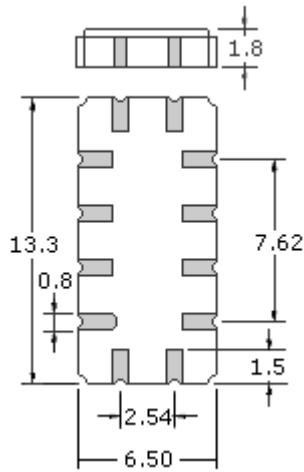
OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	69.8	70.00	70.2	MHz
Insertion Loss	-	8.6	9.5	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Bandwidth 1.0 dB	6.4	6.8	-	MHz
Bandwidth 3.0 dB	7.4	7.8	-	MHz
Bandwidth 40.0 dB	-	11.0	11.5	MHz
Passband Ripple	-	0.65	1.0	dB
Group Delay Variation	-	80	150	nsec
Absolute Delay	-	0.85	-	µsec
Substrate Material	-	YZ-LN	-	-
Ambient Temperature	-	25	-	°C
Ultimate Rejection	40	42	-	dB
Temperature Coefficient	-	-94	-	ppm/°C

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

PACKAGE OUTLINE (mm)

TEST FIXTURE



L1 = 180nH --
 L2 = 150nH --
 Source/Load Impedance = 50 ohms

Oscilent Corporation - CALL **949.252.0522**

Part No.: 813-SL70.0M-07

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