



Part Number	Package	Application	Last Modified
820-IF75.0M-H	20.2 x 12.6mm	Base Station & Repeater	Apr 18, 2007

TYPE :
75.0 MHz Bandpass Filter
19.55 MHz Bandwidth

PART NUMBER :
820-IF75.0M-H

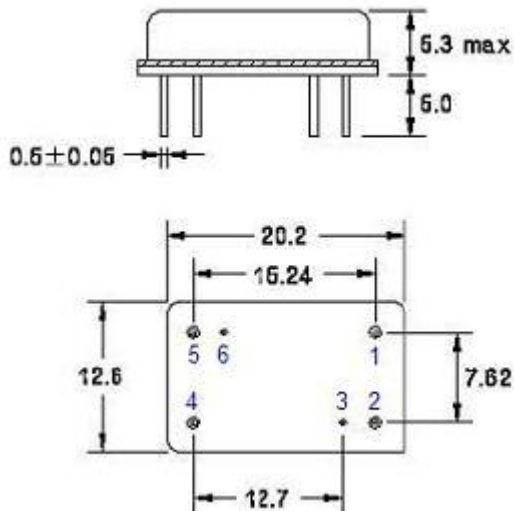


OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

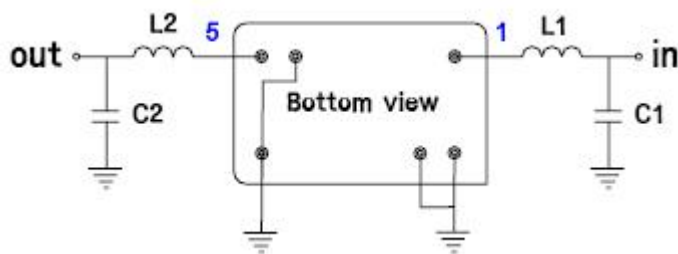
PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	-	75.0	-	MHz
Insertion Loss at Fo	-	20.0	23.0	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Bandwidth at -1.0 dB	-	19.15	-	MHz
Bandwidth at -3.0 dB	-	19.55	-	MHz
Bandwidth at -40.0 dB	-	21.40	-	MHz
Bandwidth at -50.0 dB	-	21.55	-	MHz
Amplitude Ripple	-	0.65	1.0	dBp-p
Ultimate Rejection	55	60	-	dB
Group Delay Variation smo 0.5%	-	61	-	nsec
Absolute Delay at Fo	-	1.90	-	µsec
Temperature Coefficient	-	-72	-	ppm/°C

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

PACKAGE OUTLINE (mm)



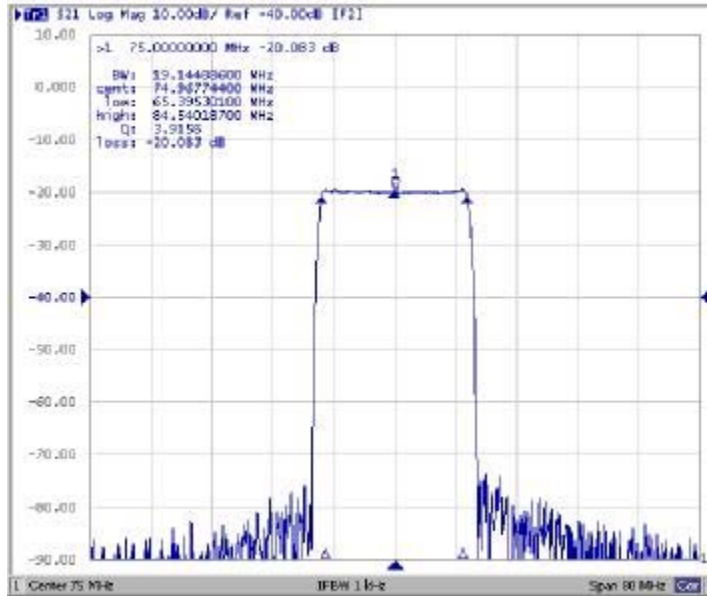
TEST FIXTURE



L1 = 150nH C1 = 15pF
L2 = 180nH C2 = 15pF
Source/Load Impedance = 50 ohms

PIN Descriptions IN-1, OUT-5, GROUND-2,3,4,6

FREQUENCY RESPONSE



Oscilent Corporation - CALL **949.252.0522**

Part No.: 820-IF75.0M-H

18195 East McDermott Street, Building D, Irvine, CA 92614, USA
Fax: 949.252.0599, E-Mail: Sales@Oscilent.com