





Product Category: IF SAW Filter

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



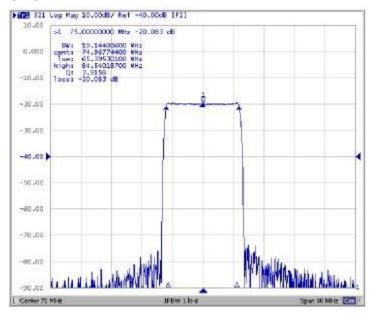
## **OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

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

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

## PACKAGE OUTLINE (mm) **TEST FIXTURE Bottom view** C1 0.5±0.05 --||-20.2 16.24 L1 = 150nHC1 = 15pFL2 = 180nHC2 = 15pF7.62 12.6 Source/Load Impedance = 50 ohms PIN Descriptions IN-1, OUT-5, GROUND-2,3,4,6 - 12.7 -

# **FREQUENCY RESPONSE**



Part No.:

820-IF75.0M-H

### Oscilent Corporation - CALL 949.252.0522

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

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