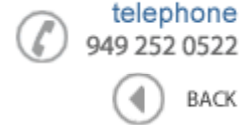


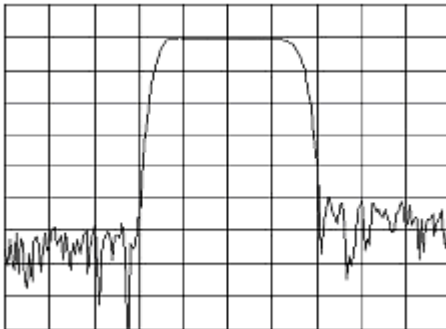
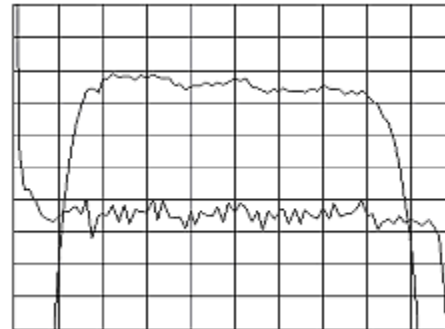
**Data Sheet**

Product Category: IF SAW Filter

Part Number  
820-IF78.6M-APackage  
20.2 x 12.6 Thru HoleApplication  
Base Station & RepeaterLast Modified  
May 02 2003**TYPE :**

78.6 MHz Bandpass Filter

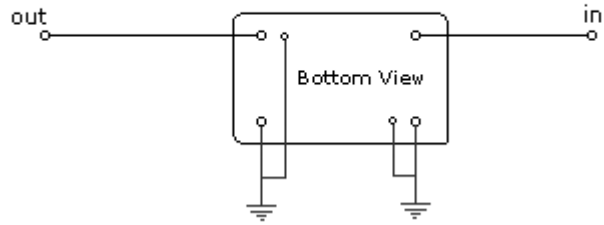
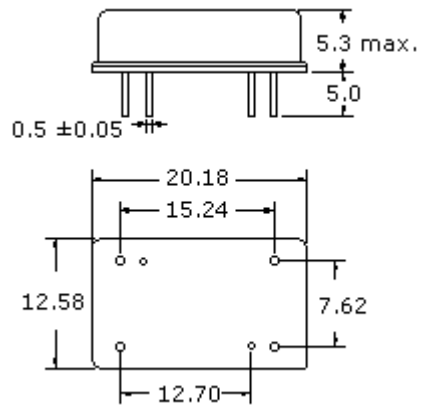
5.8 MHz Bandwidth

**PART NUMBER :****820-IF78.6M-A**Horizontal : 2.0 MHz/Div  
Vertical : 10 dB/DivHorizontal : 0.8 MHz/Div  
Vertical : 1 dB/Div  
Vertical : 100 ns/Div**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	Minimum	Typical	Maximum	Units
<b>Center Frequency</b>	78.55	78.60	78.65	MHz
<b>Insertion Loss</b>	-	18.1	21.0	dB
<b>1dB Bandwidth</b>	5.3	5.4	-	MHz
<b>3dB Bandwidth</b>	5.8	6.0	-	MHz
<b>40dB Bandwidth</b>	-	7.87	8.0	MHz
<b>Passband Ripple</b>	-	0.7	1.0	dB
<b>Group Delay Variation</b>	-	155	200	nsec
<b>Absolute Delay</b>	-	2.10	-	µsec
<b>Ultimate Rejection</b>	50	55	-	dB
<b>Substrate Material</b>	-	YZ-LN	-	-
<b>Ambient Temperature</b>	-	25	-	°C

\* Custom SAW IF Filters available. Contact Oscilent for assistance.

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



Source/Load Impedance = 50 ohms

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

**Part No.:** 820-IF78.6M-A

17962 Sky Park Circle, Building D, Irvine, CA 92614, USA  
 Fax: 949.252.0599, E-Mail: Sales@Oscilent.com