

**Data Sheet**

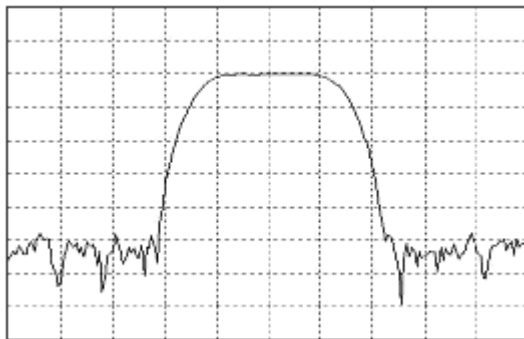
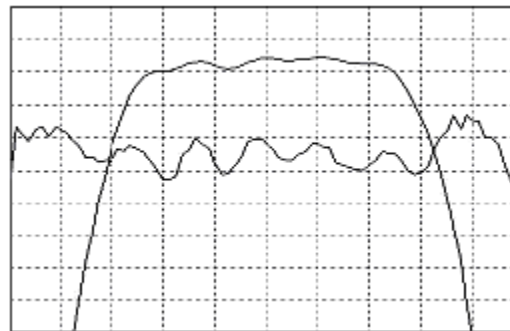
Product Category: IF SAW Filter

Part Number  
820-IF70.0M-GPackage  
20.2 x 12.6 Thru HoleApplication  
Base Station & RepeaterLast Modified  
May 02 2003

## TYPE :

70.0 MHz Bandpass Filter  
1.10 MHz Bandwidth

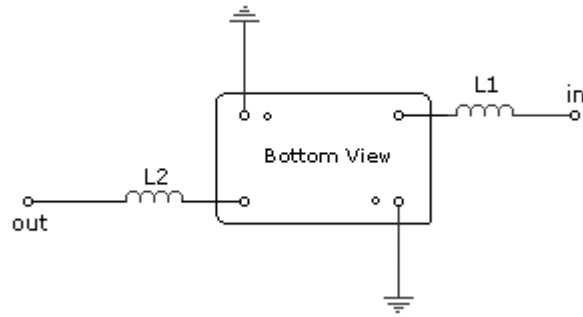
## PART NUMBER :

**820-IF70.0M-G**Horizontal : 0.5 MHz/Div  
Vertical : 10 dB/DivHorizontal : 0.2 MHz/Div  
Vertical : 1 dB/Div  
Vertical : 100 ns/Div**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	69.97	70.00	70.03	MHz
Insertion Loss	-	22.0	25.0	dB
1dB Bandwidth	0.95	1.08	-	MHz
3dB Bandwidth	1.1	1.27	-	MHz
40dB Bandwidth	-	2.11	2.3	MHz
Passband Ripple	-	0.35	0.7	dB
Group Delay Variation	-	80	150	nsec
Absolute Delay	-	2.54	-	µsec
Ultimate Rejection	50	55	-	dB
Substrate Material	-	Quartz	-	-
Ambient Temperature	-	25	-	°C
Phase Linearity	-	3.2	5	degc

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

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



L1 = 180nH

L2 = 220nH

Source/Load Impedance = 50 ohms

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

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