



**Data Sheet**



Product Category: IF SAW Filter

Part Number  
820-IF70.0M-C

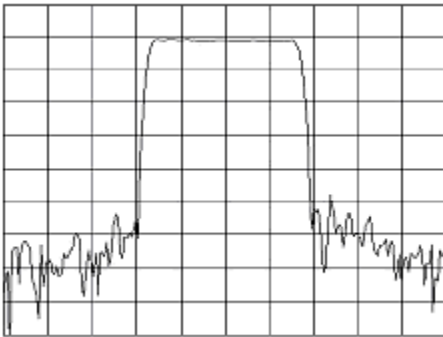
Package  
20.2 x 12.6 Thru Hole

Application  
Base Station & Repeater

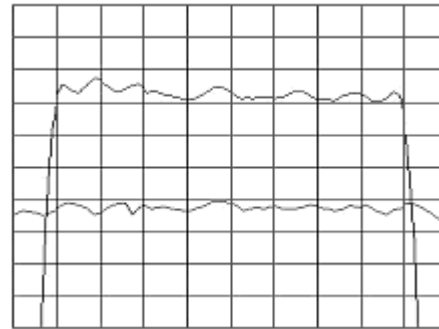
Last Modified  
May 02 2003

TYPE :  
70.0 MHz Bandpass Filter  
9.8 MHz Bandwidth

PART NUMBER :  
**820-IF70.0M-C**



Horizontal : 3.0 MHz/Div  
Vertical : 10 dB/Div



Horizontal : 1.2 MHz/Div  
Vertical : 1 dB/Div  
Vertical : 100 ns/Div

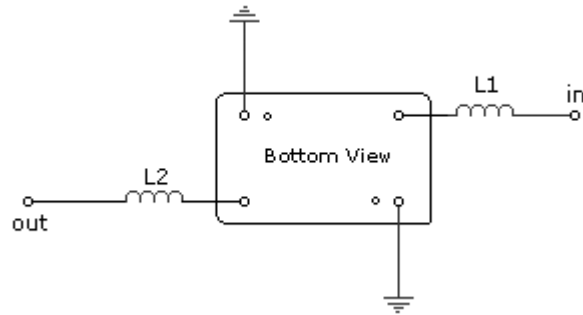
**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	Minimum	Typical	Maximum	Units
<b>Center Frequency</b>	69.94	70.00	70.06	MHz
<b>Insertion Loss</b>	-	21.0	23.0	dB
<b>1dB Bandwidth</b>	9.4	9.6	-	MHz
<b>3dB Bandwidth</b>	9.8	10.0	-	MHz
<b>40dB Bandwidth</b>	-	11.4	11.6	MHz
<b>Passband Ripple</b>	-	0.8	1.0	dB
<b>Group Delay Variation</b>	-	60	100	nsec
<b>Absolute Delay</b>	-	2.57	-	µsec
<b>Ultimate Rejection</b>	50	60	-	dB
<b>Substrate Material</b>	-	LN	-	-
<b>Ambient Temperature</b>	-	25	-	°C

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

**PACKAGE OUTLINE** (mm)

**TEST FIXTURE**



L1 = 120nH

L2 = 120nH

Source/Load Impedance = 50 ohms

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

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