



Data Sheet



Product Category: IF SAW Filter

Part Number
820-IF70.0M-S

Package
20.2 x 12.6 Thru Hole

Application
Base Station & Repeater

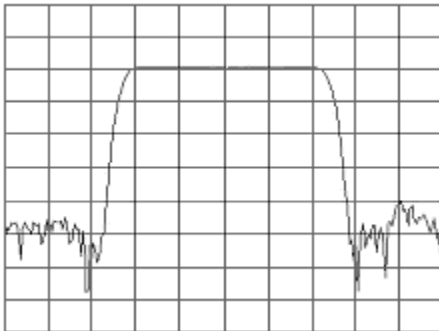
Last Modified
May 02 2003

TYPE :

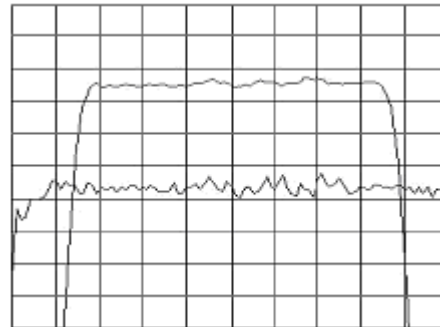
70.0 MHz Bandpass Filter
4.4 MHz Bandwidth

PART NUMBER :

820-IF70.0M-S



Horizontal : 1.0 MHz/Div
Vertical : 10 dB/Div



Horizontal : 0.6 MHz/Div
Vertical : 1 dB/Div
Vertical : 100 ns/Div

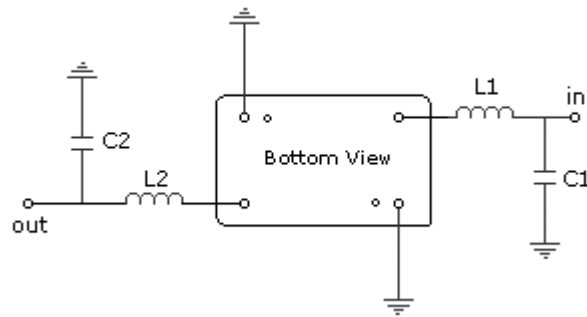
OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	69.90	70.00	70.10	MHz
Insertion Loss	-	21.5	24.0	dB
1dB Bandwidth	4.0	4.3	-	MHz
3dB Bandwidth	4.4	4.5	-	MHz
40dB Bandwidth	-	5.4	5.6	MHz
Passband Ripple	-	0.5	0.8	dB
Group Delay Variation	-	100	150	nsec
Absolute Delay	-	2.44	-	µsec
Ultimate Rejection	50	55	-	dB
Substrate Material	-	112 LT	-	-
Ambient Temperature	-	25	-	°C

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

PACKAGE OUTLINE (mm)

TEST FIXTURE



L1 = 68nH C1 = 100pF
 L2 = 90nH C2 = 82pF
 Source/Load Impedance = 50 ohms

Oscilent Corporation - CALL **949.252.0522**

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

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