



**Data Sheet**

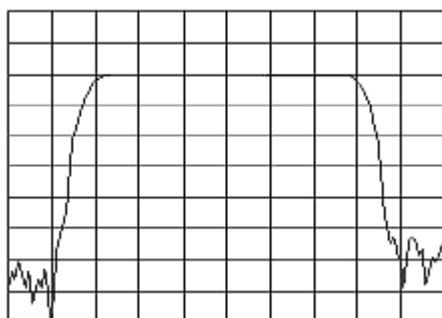
telephone  
 949 252 0522  
 BACK

Product Category: IF SAW Filter

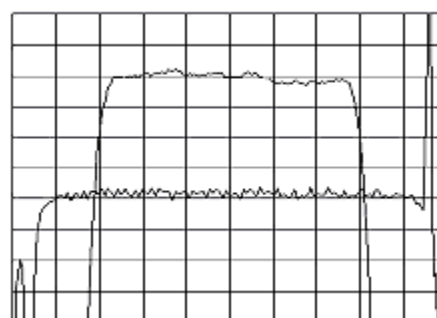
Part Number: 820-IF140.0M-B      Package: 20.2 x 12.6 Thru Hole      Application: Base Station & Repeater      Last Modified: May 30 2003

**TYPE :**  
 140.0 MHz Bandpass Filter  
 12.0 MHz Bandwidth

**PART NUMBER :**  
**820-IF140.0M-B**



Horizontal : 2.0MHz/Div  
 Vertical : 10 dB/Div



Horizontal : 2.0 MHz/Div  
 Vertical : 1 dB/Div  
 Vertical : 100 ns/Div

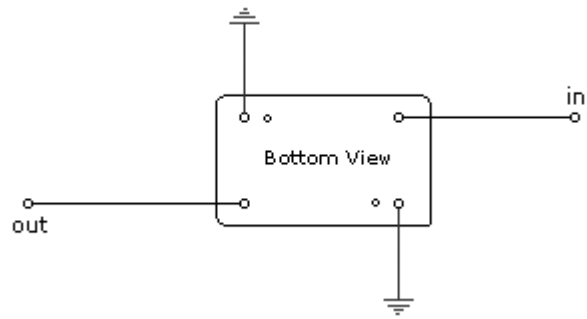
**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

PARAMETERS	Minimum	Typical	Maximum	Units
<b>Center Frequency</b>	139.9	140.0	140.1	MHz
<b>Insertion Loss</b>	-	22.3	25.0	dB
<b>1dB Bandwidth</b>	11.2	11.6	-	MHz
<b>3dB Bandwidth</b>	12.0	12.24	-	MHz
<b>40dB Bandwidth</b>	-	14.56	15.0	MHz
<b>Passband Ripple</b>	-	0.57	0.75	dB
<b>Group Delay Variation</b>	-	45	90	nsec
<b>Absolute Delay</b>	-	1.62	-	µsec
<b>Ultimate Rejection</b>	50	55	-	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**



Source/Load Impedance = 50 ohms

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

**Part No.:** 820-IF140.0M-B

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