



Data Sheet



Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
820-IF82.5M-BB	20.2 x 12.6mm	IF SAW Filter	Apr 18, 2007

TYPE :

82.5 MHz Bandpass Filter

PART NUMBER :

820-IF82.5M-BB

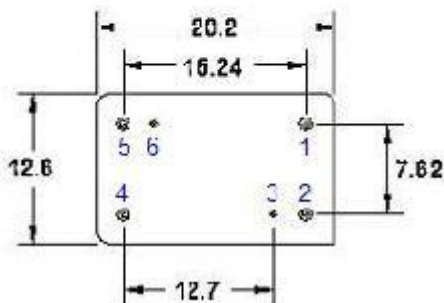
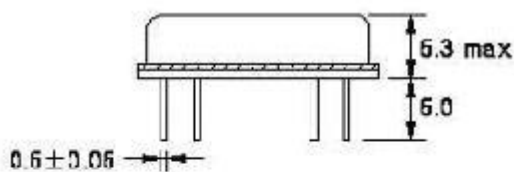


OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

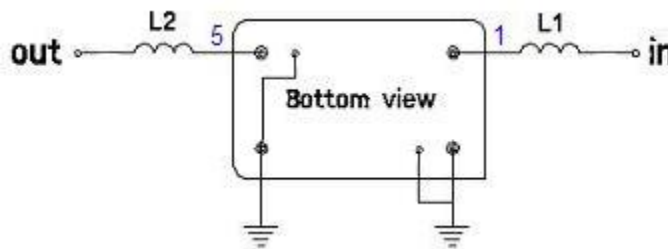
PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	-	82.5	-	MHz
Insertion Loss at Fo	-	24.2	26.0	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Bandwidth at -1.0 dB	18.0	18.1	-	MHz
Bandwidth at -3.0 dB	18.4	18.5	-	MHz
Bandwidth at -35.0 dB	-	19.9	20.0	MHz
Bandwidth at -40.0 dB	-	20.0	20.1	MHz
Amplitude Ripple	-	0.5	1.0	dBp-p
Ultimate Rejection	50	55	-	dB
Group Delay Variation	-	35	60	nsec
Absolute Delay at Fo	-	2.25	-	µsec
Temperature Coefficient	-	-72	-	ppm/°C

*With Matching Network (Reference Testing Environment Circuit as shown) Modify Impedance Values as necessary.

PACKAGE OUTLINE (mm)



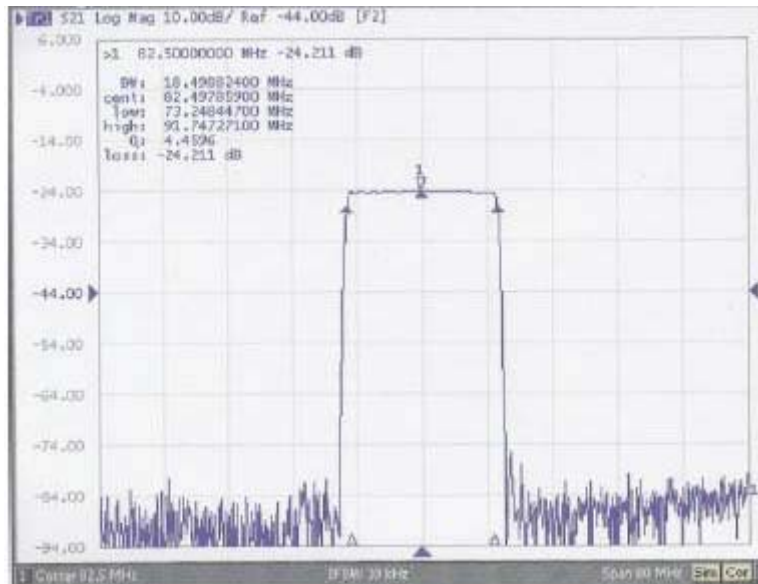
TEST FIXTURE



PIN Descriptions In-1, Out-5, Ground-2,3,4,6

Test Fixture & Values	
Input	L1=22nH Q>40
Output	L2=33nH Q>40

Frequency Response



Oscilent Corporation - CALL **949.252.0522**

Part No.: 820-IF82.5M-BB

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