



Data Sheet



Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
835-IF137.9M-A	35.0 x 12.8 Thru Hole	Base Station & Repeater	Jan. 01, 2007

TYPE :

137.9 MHz Bandpass Filter

PART NUMBER :

835-IF137.9M-A

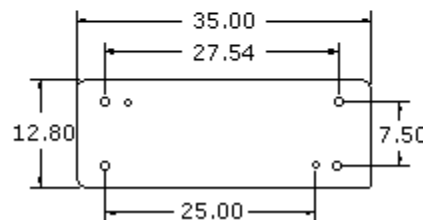
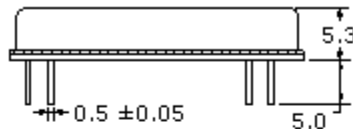
OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency (Fo)	137.75	137.9	138.05	MHz
Insertion Loss at Fo	-	25.0	26.5	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Temperature Coefficient	-	-23	-	ppm/°C
Amplitude Ripple	-	0.55	1.0	dBp-p
Bandwidth at 3.0 dB	9.0	9.2	-	MHz
Ultimate Rejection	-			
Fo + 200 KHz	-	8.9	-	dB
Fo + 400 KHz	-	20.7	-	dB
Fo + 600 KHz	-	50.8	-	dB
Fo + 1 MHz	50	60	-	dB
Adsolute Delay at Fo	-	3.46	-	us

* with Matching Network (Ref. Testing Environment Circuit as shown below). Those impedances could be modified with different impedances values and/or structures, if necessary.

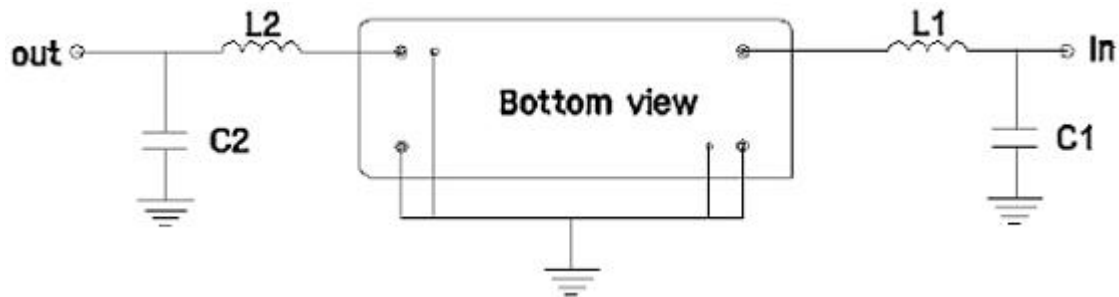
** Custom SAW IF Filters available. Contact Oscilent for assistance.

PACKAGE OUTLINE (mm)



PIN Descriptions: IN-1, OUT 5, GROUND -2,3,4,6,Case

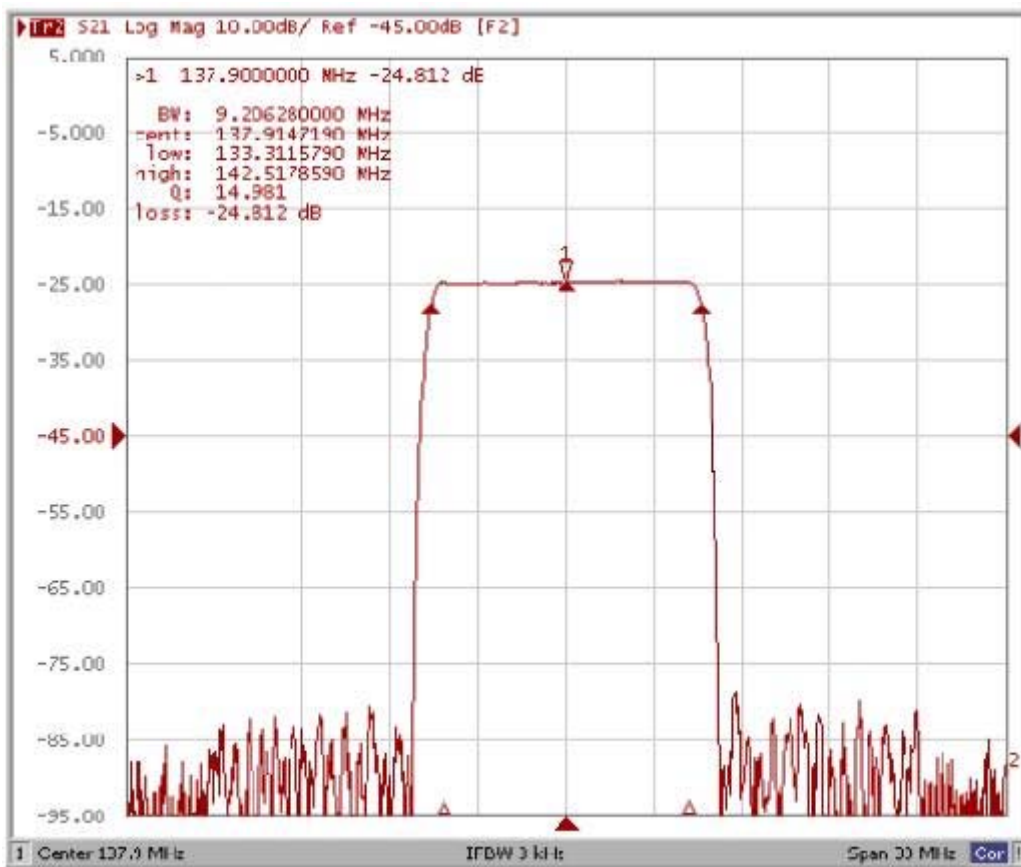
TEST ENVIRONMENT



Test Fixture & Values	
Input	L1=39nH, C1= 27pF
Output	L2=39nH, C2= 27pF

Source & Load Impedance: 50 ohm

FREQUENCY RESPONSE



Oscilent Corporation - CALL **949.252.0522**

Part No.: 835-IF137.9M-A

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