

**Data Sheet**

Product Category: IF SAW Filter

Part Number	Package	Application	Last Modified
835-IF38.9M-F	35.0 x 12.8 Thru Hole	Base Station & Repeater	Jan. 01, 2007

TYPE :

38.9 MHz Bandpass Filter

PART NUMBER :

835-IF38.9M-F**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

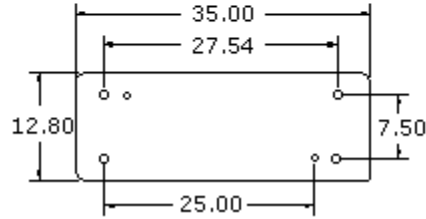
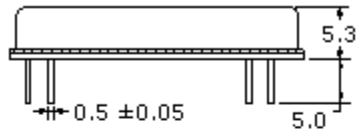
PARAMETERS	Minimum	Typical	Maximum	Units
Center Frequency	-	38.9	-	MHz
Insertion Loss @ Fo	-	30.0	31.5	dB
Source Impedance (single ended)*	-	50	-	ohm
Load Impedance (single ended)*	-	50	-	ohm
Temperature Coefficient	-	-	94	ppm/°C
Amplitude Ripple (33.2~39.0 MHz)	-	0.5	0.7	dBp-p
Relative Attenuation	-			
~26.40 MHz	55	60	-	dB
26.00 MHz	55	62	-	dB
32.00 MHz	50	60	-	dB
32.40 MHz	40	52	-	dB
33.15 MHz	-0.5	0.1	0.5	dB
39.40 MHz	-0.5	0.1	0.5	dB
40.15 MHz	40	50	-	dB
40.40 MHz	50	55	-	dB
45.80 MHz	55	60	-	dB
45.80 MHz ~	55	60	-	dB
Reflected wave signal suppression 2.5us~12.0us after main pulse	48	54	-	dB
Group Delay Variation (33.2~39.0 MHz) (p-p); smo 1%	-	50	60	ns
Absolute Delay at Fo	-	4.2	-	µs

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

All Specifications at Tambient: +40°C / Operating Temperature -20 to +70 °C

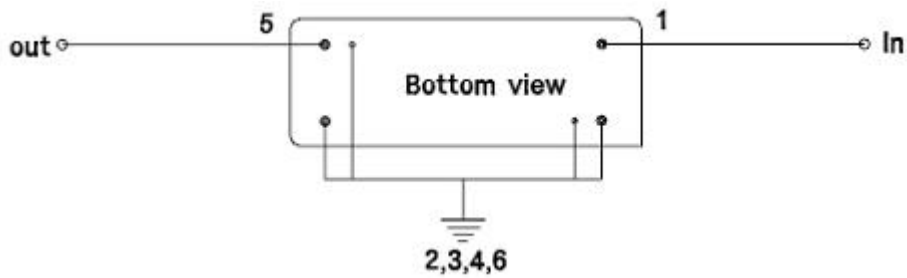
** Custom SAW IF Filters available. Contact Oscilent for assistance.

PACKAGE OUTLINE (mm)



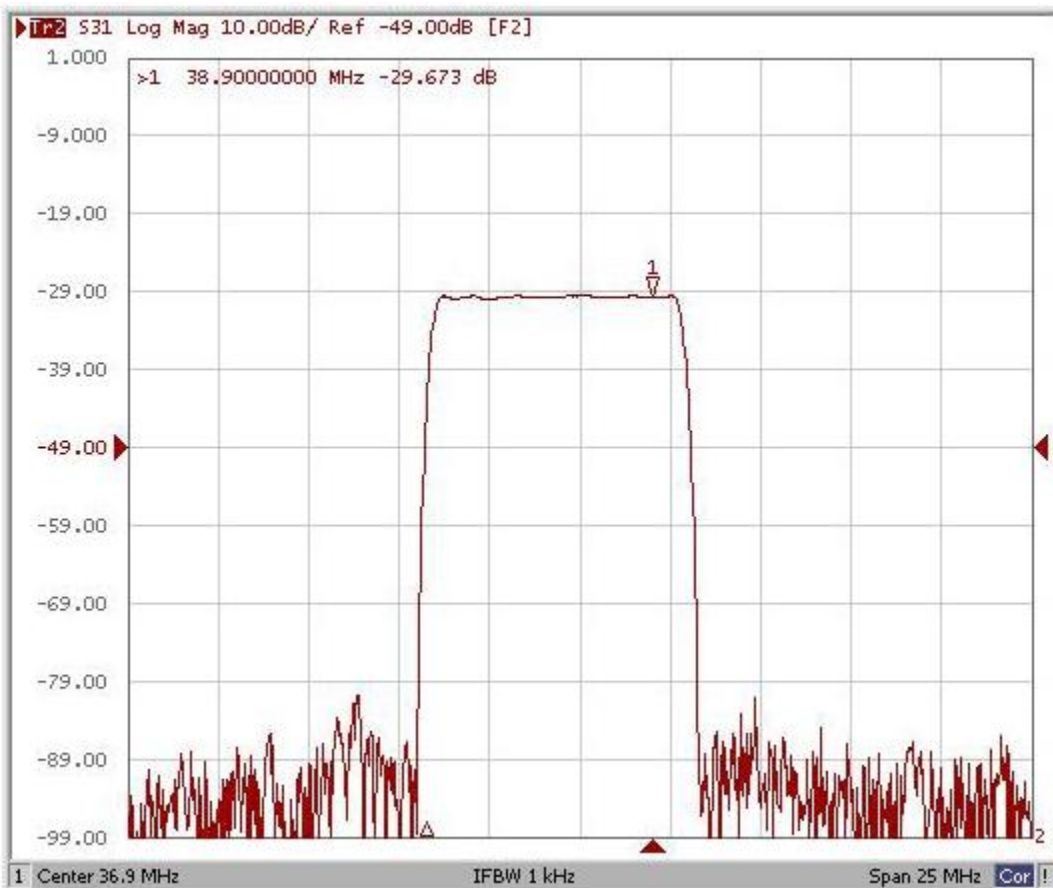
PIN Descriptions: IN-1, OUT 5, GROUND -2,3,4,6,Case

TEST ENVIRONMENT



Source & Load Impedance: 50 ohm

FREQUENCY RESPONSE



Part No.: 835-IF38.9M-F

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