



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

838 MHz Cavity Bandpass Filter

Part Number: AB838B904



Electrical specifications

Center Frequency: 838 MHz
1dB Bandwidth: 67 MHz
Passband: 804.5 – 871.5 MHz
Insertion Loss @ 838 MHz: 1.0 dB Max.
Passband Return Loss: 14 dB Min.
Rejection1: 40 dB Min. @ 500-800 MHz
Rejection 2: 40 dB Min. @ 1600-2500 MHz
Power Handling: 50 W
Input / Output Impedance: 50 Ohms

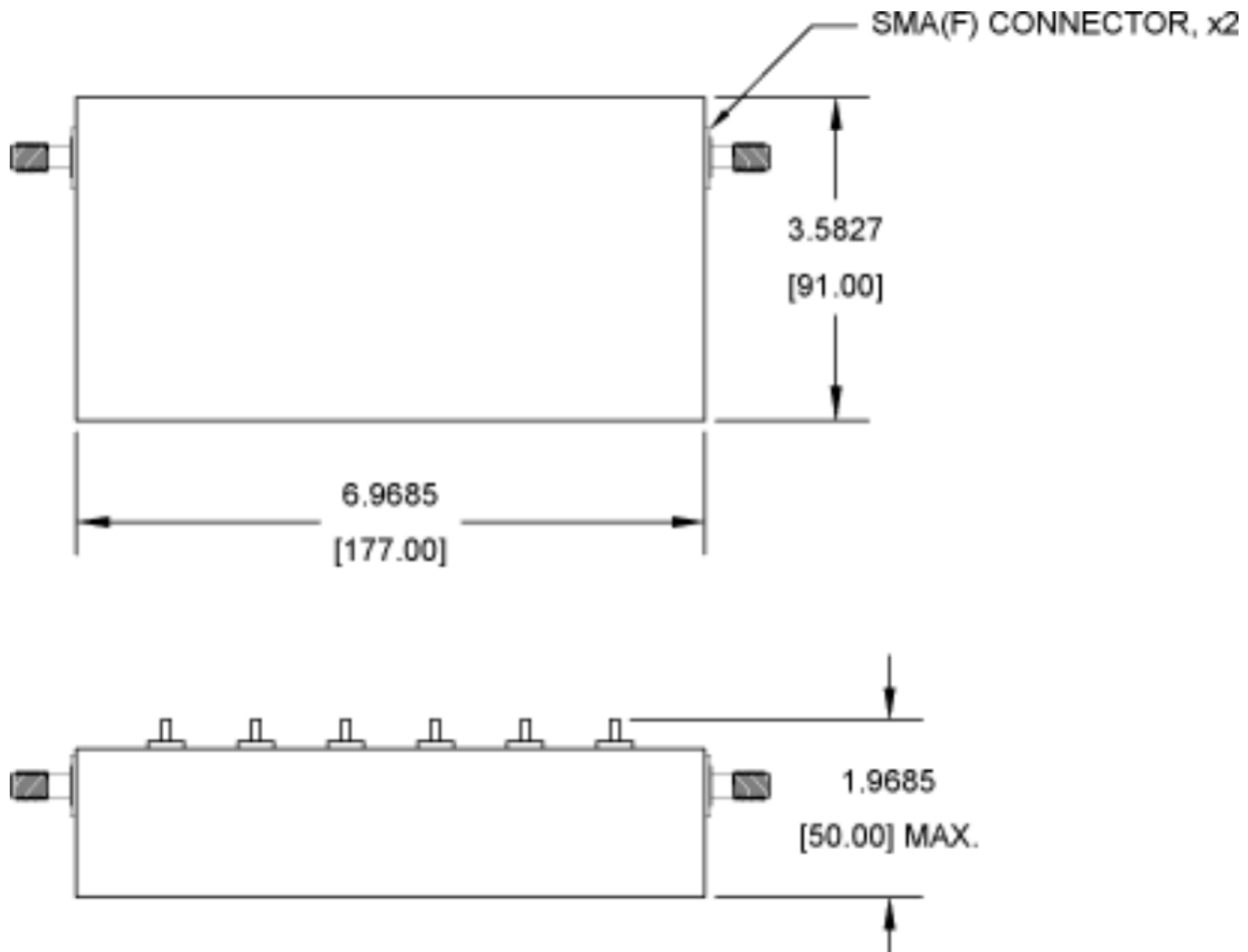
Mechanical

Connector Type: SMA (F)
Dimensions: 177 x 91 x 50(max) mm.

Environmental

Operating Temperature: -45 to +85 deg.C
Storage Temperature: -55 to +95 deg.C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 200 Hz

Outline Drawing:



Tolerance: +/-0.01 inches [+/-0.3mm]

Angles: +/- 1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

*When max dimensions are called out the above tolerances do not apply as long as it is under the max call



Response Plot:

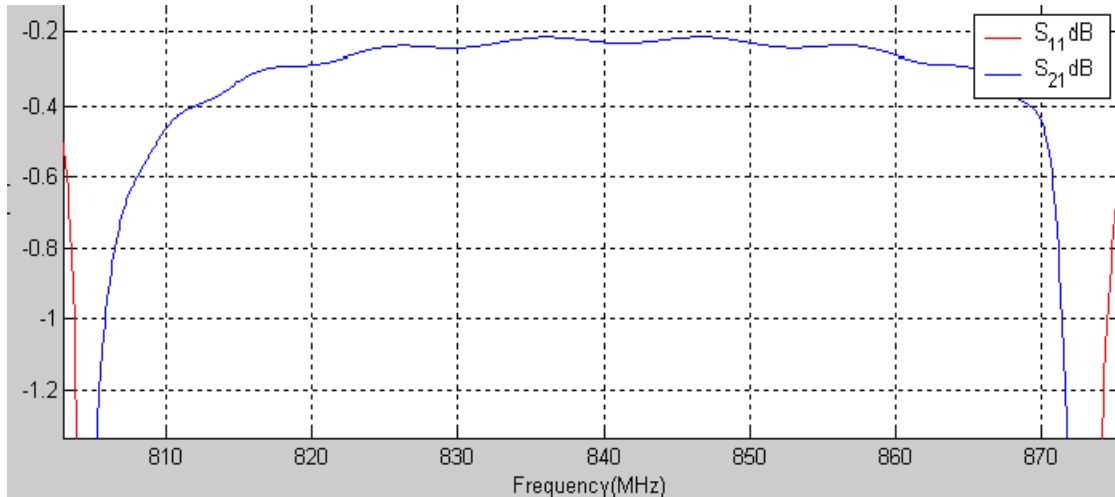


Figure1 Overall performance

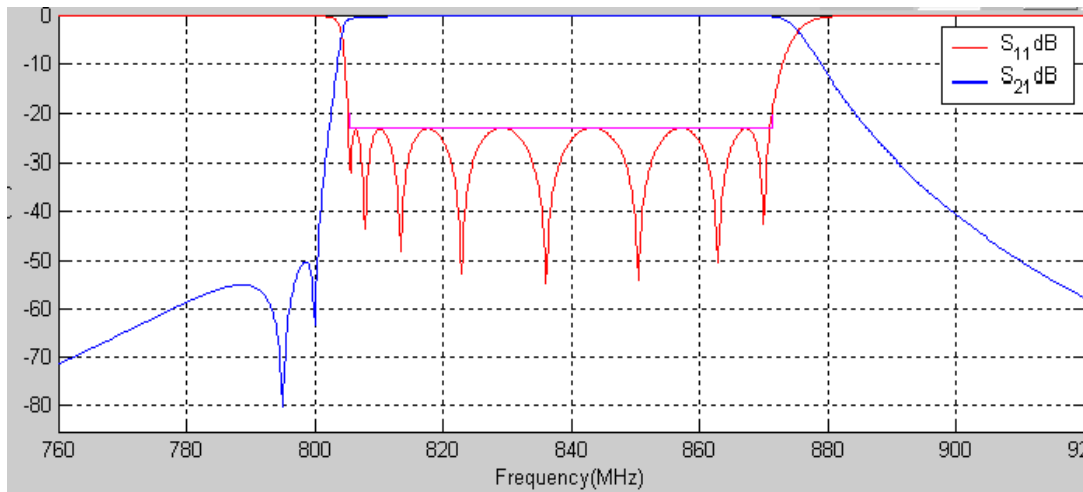


Figure2 Insertion loss

	Frequency (MHz)		
	804.5	871.5	838
insertion loss (dB)	-1.14	-1.07	-0.214
Pass band ripple (dB)	0.93 dB		