



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1730 MHz Cavity Band Pass Filter

Part Number: AE1730B11949



Electrical Specifications

Center Frequency: 1730 MHz
Passband (pb): 1325-2135 MHz
Insertion Loss: 0.75 dB Max
Return Loss in pb: 12 dB (20 dB Goal)
Rejection: 80 dB Min @ 1100 MHz
Rejection: 80 dB Min @ 2400 - 4000 MHz
Power Handling: 10W CW

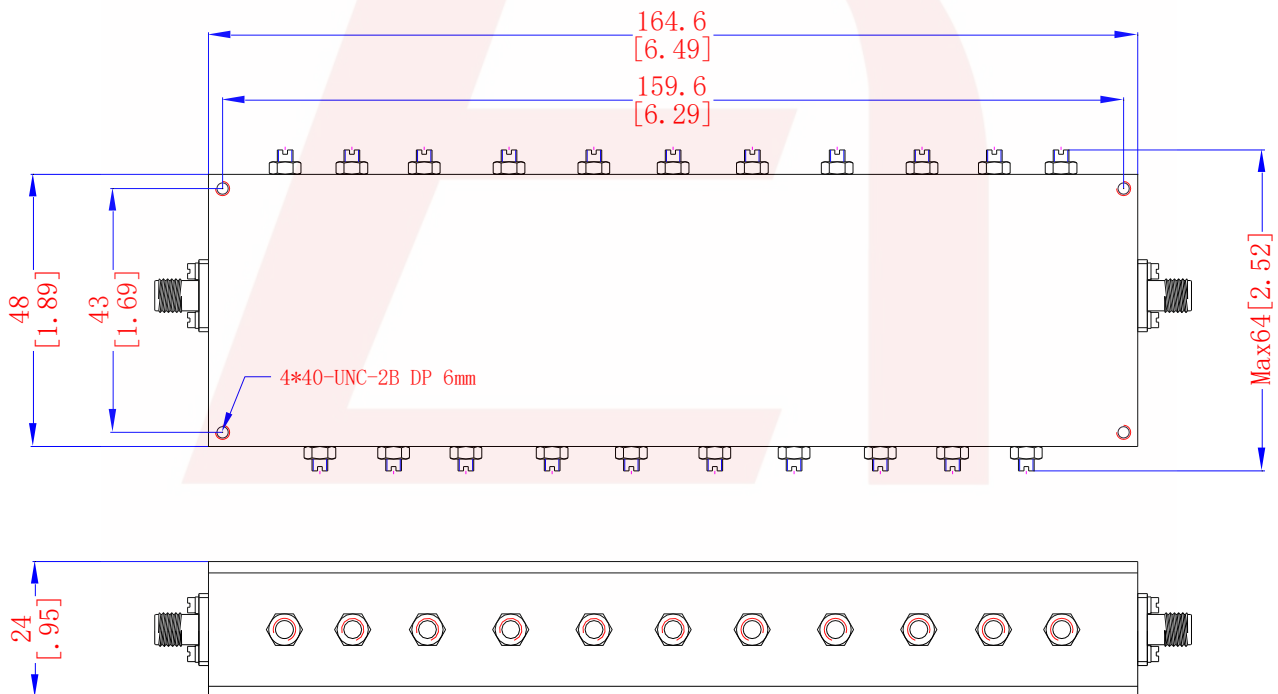
Mechanical

Mounting Method: 4-40 Threaded hole
Connector Type: SMA (F) In/Out
Dimensions: 6.49 x 2.52 x 0.95 inches

Environmental

Operating Temperature: -40°C to +70°C
Storage Temperature: -55°C to +85°C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 200Hz

Outline Drawing:



DS-B11949-05252022-Rev0

70 Outwater Lane Phone: (973) 772-4242
Garfield, NJ 07026 Fax : (973) 321-3941

Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com



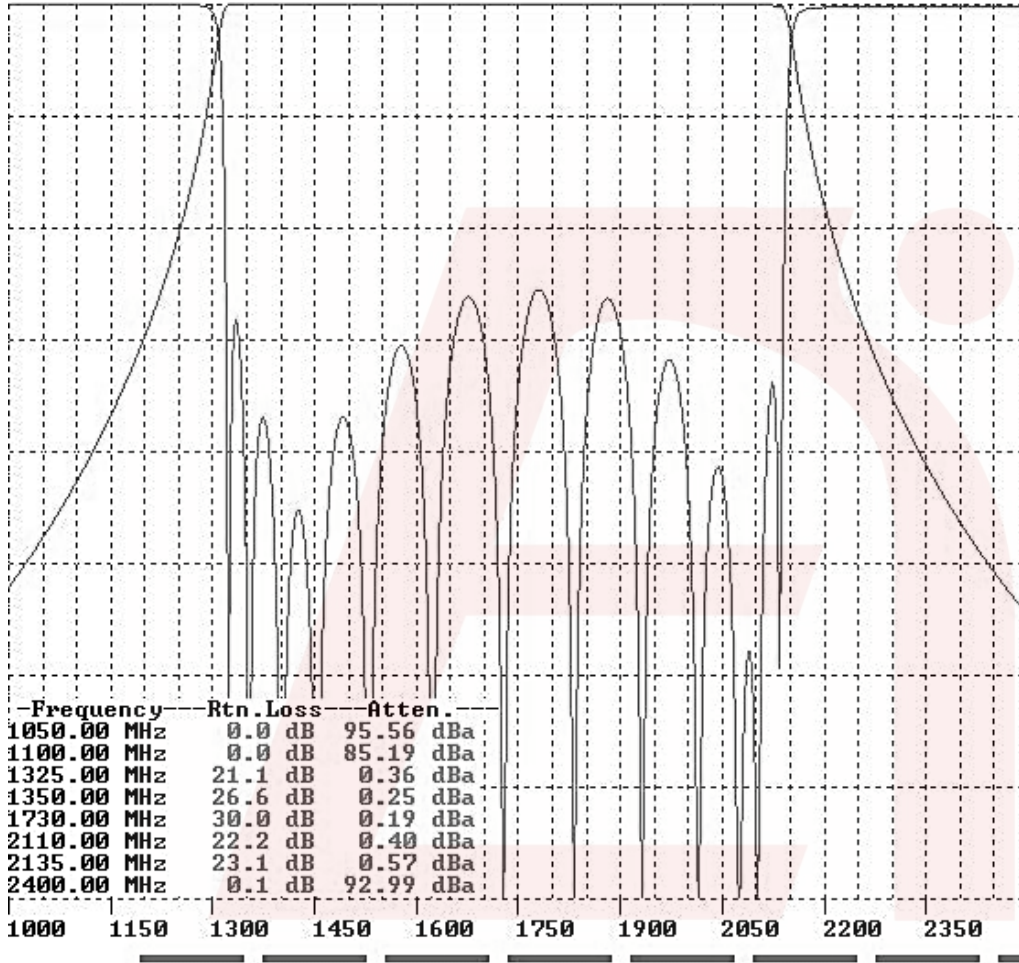
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Simulated Response Plot:



From 1000 MHz
To 2500 MHz
Marker = 1000.000

Atten. 20.000 dB/div.
ref= 0.178316
104.599 dB
104.420 dB (Rel.)
Rtn. loss 5 dB/div.
ref= 0
0.017 dB

1.0 dB Bw 824.06 MHz
3.0 dB Bw 832.14 MHz

Note: This is a simulation plot. Actual results may differ once the product is implemented.

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