



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

449 MHz Bandpass Filter

Part Number: AE449B10659



Electrical specifications

Center Frequency: 449 MHz
Passband: 440.75-457.25 MHz
Fc Insertion Loss: <4 dB
Return Loss over Passband: >11.7 dB
Rejection: >57 dB @ 0 MHz – 425 MHz
Rejection 2: >57 dB @ 472.25 MHz – 2 GHz
Input / Output Impedance: 50 Ohms

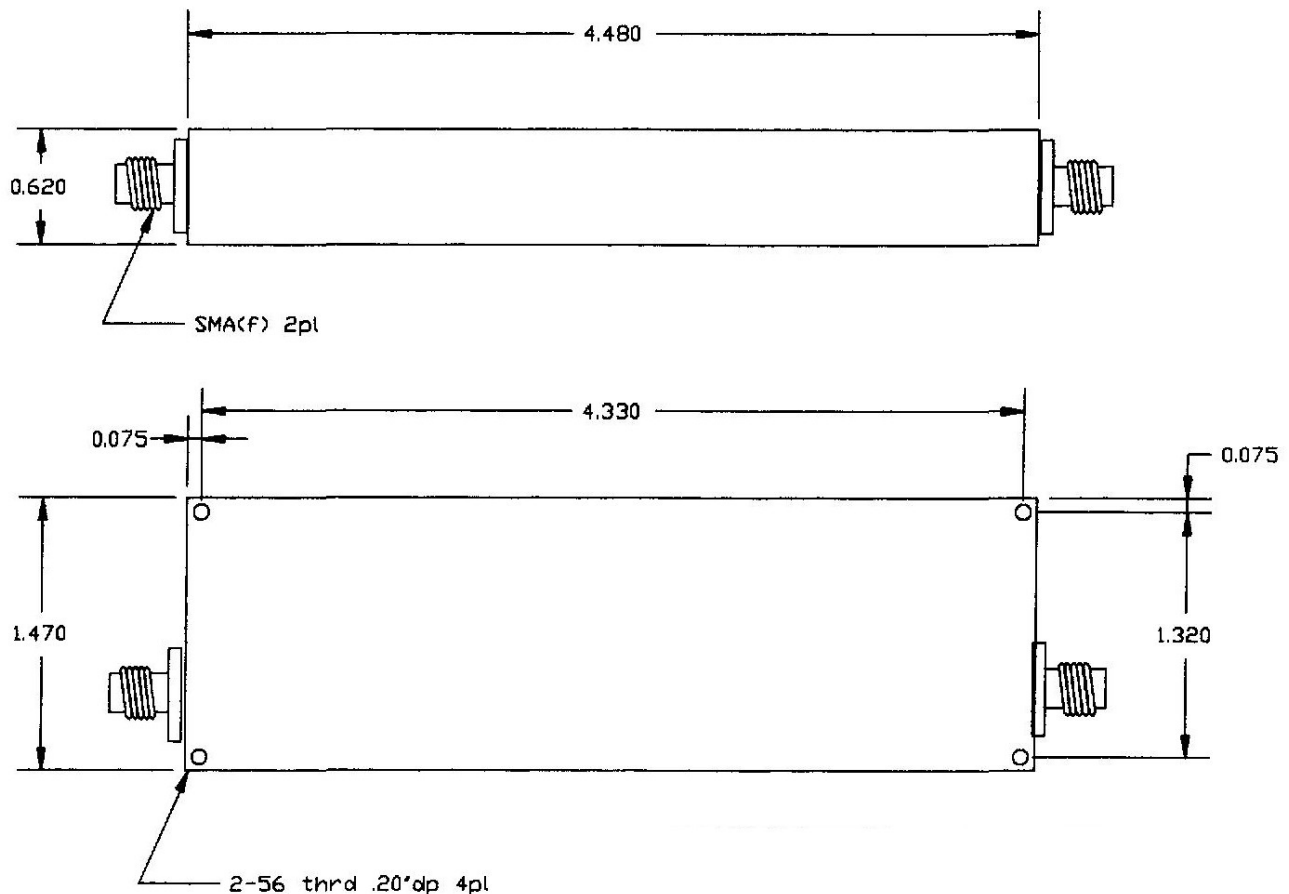
Mechanical

Connector Type: SMA (F)
Dimensions: 4.480 x 1.470 x 0.620 inches

Environmental

Operating Temperature: -45 to +85 deg.C
Storage temperature: -65 to +95 deg.C
Shock: 20 G's, ½ sine, 11ms
Vibration: 10 G's, 10-2000Hz
Relative Humidity: 0-95%

Outline Drawing:





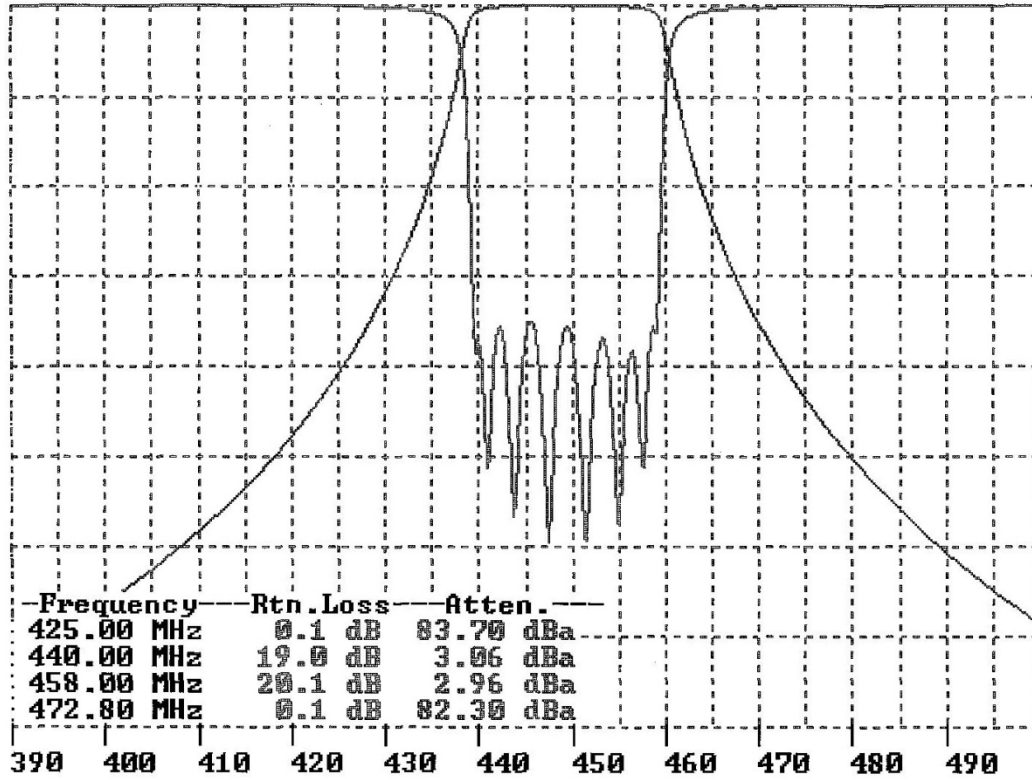
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Response Plot:



From 390 MHz
To 500 MHz
Marker = 390.000

Atten. 20.000 dB/div.
Ref = 1.75716
147.349 dB
145.592 dB (Rel.)
Rtn. loss 5 dB/div.
ref = 0
0.014 dB

3.0 dB Bw 20.11 MHz