



**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

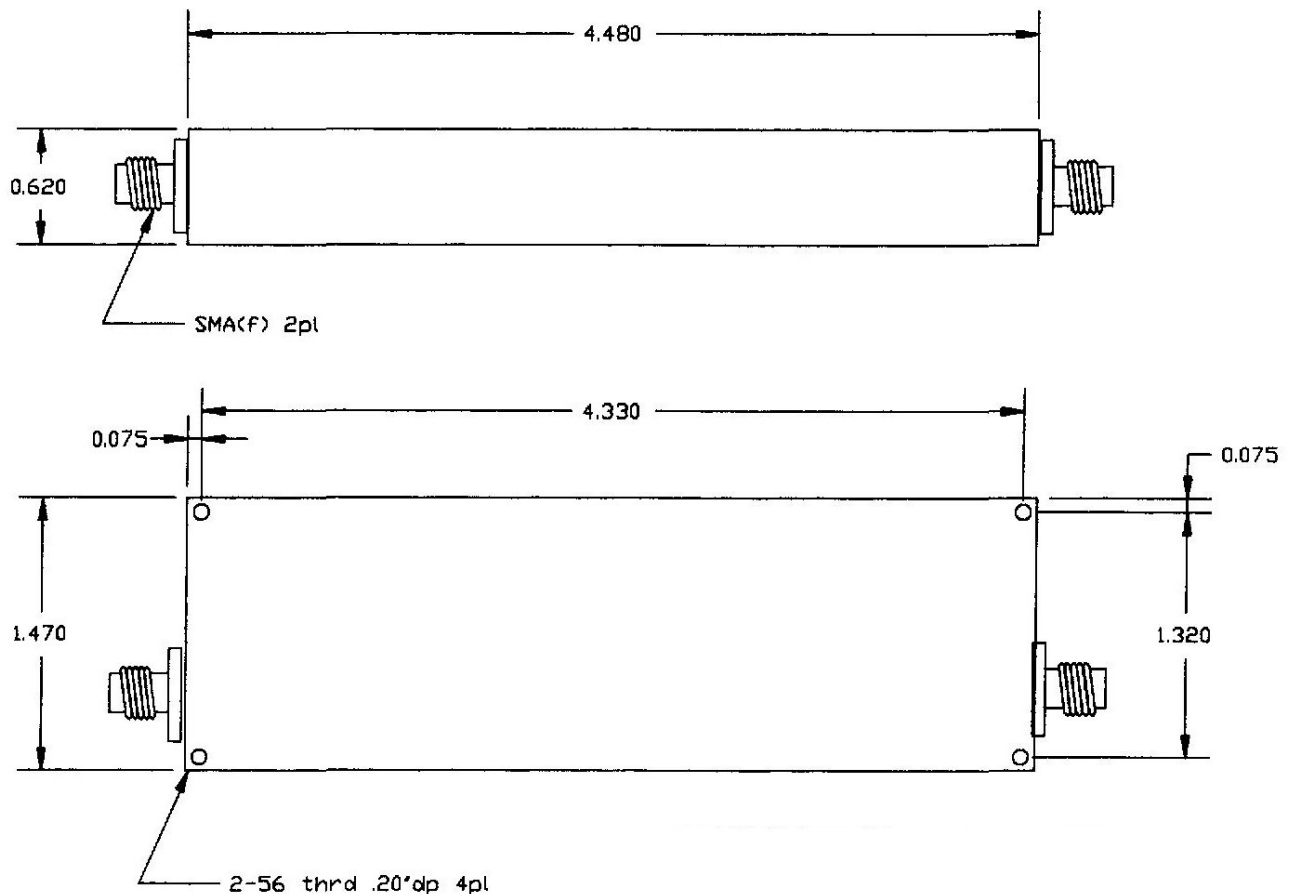
### Mechanical

**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:





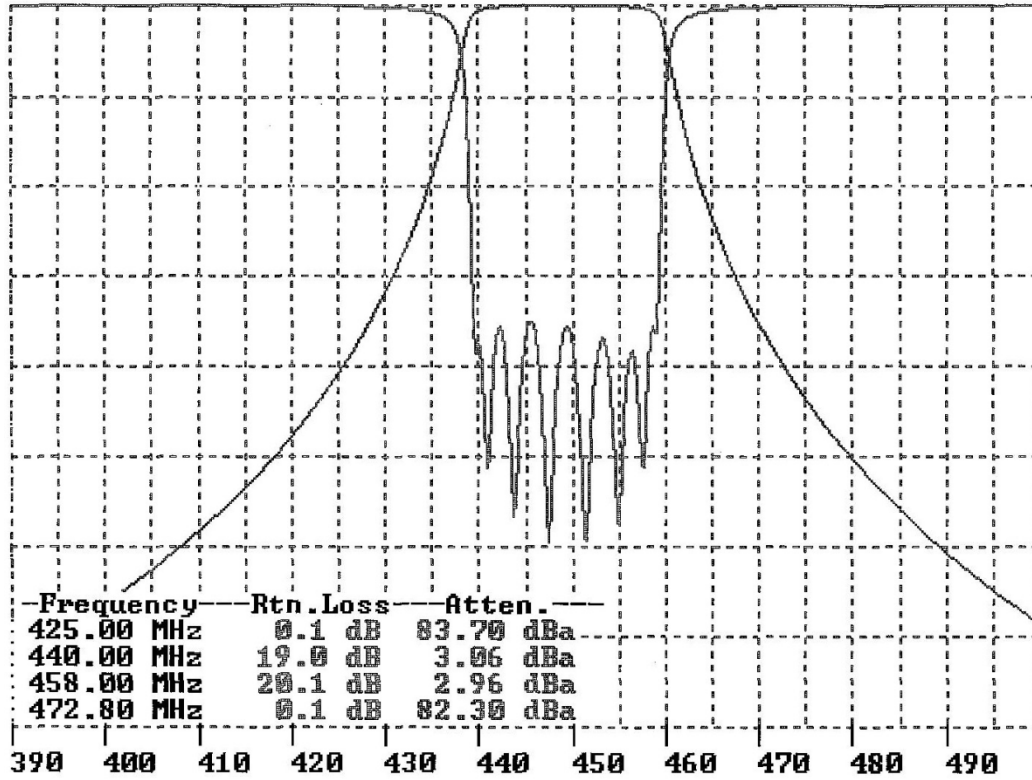
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 449 MHz Bandpass Filter

Part Number: AE449B10659



## 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