



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

# 9950 MHz Cavity Bandpass Filter

**Part Number: AB9950B1144**



## Electrical specifications

**Center Frequency:** 9950 MHz  
**Bandwidth:** 200 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 9850-10050 MHz  
**Passband Insertion Loss:**  $\leq 1.0$  dB  
**Passband Ripple:**  $< 0.2$  dB  
**Passband Return Loss:**  $\geq 15$  dB  
**Rejection:**  $\geq 70$  dB @ 9650, 10250 MHz  
**Power Handling:** 2W

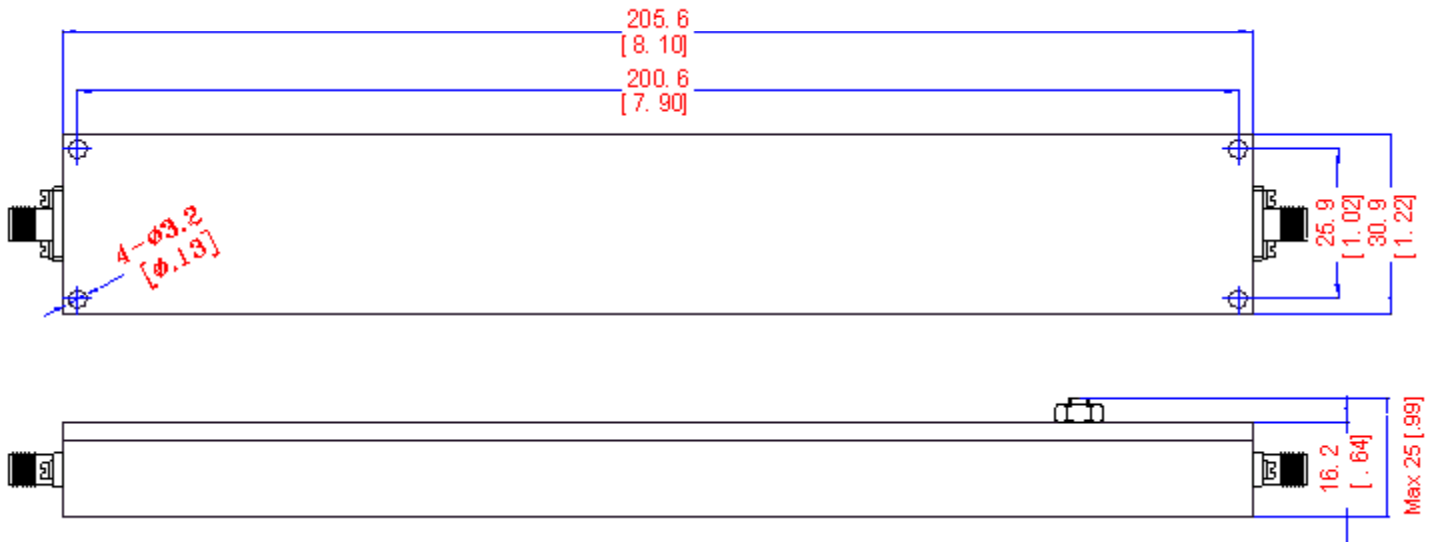
## Mechanical

**Connector Type:** SMA (F)  
**Dimensions:** 8.10 x 1.22 x .64 inches

## Environmental

**Operating Temperature:** -0 to +50 deg.C  
**Storage Temperature:** -55 to +95 deg.C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 MHz

## Outline Drawing:





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## Response Plot:

