



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

# 10010 MHz Cavity Bandpass Filter

Part Number: AB10010B1145



## Electrical specifications

**Center Frequency:** 10010 MHz  
**Bandwidth:** 320 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 9850-10170 MHz  
**Passband Insertion Loss:**  $\leq 1.0$ dB  
**Passband Ripple:**  $< 0.2$ dB  
**Passband Return Loss:**  $\geq 15$ dB  
**Rejection:**  $\geq 70$ dB@9610, 10410MHz  
**Power Handling:** 2W

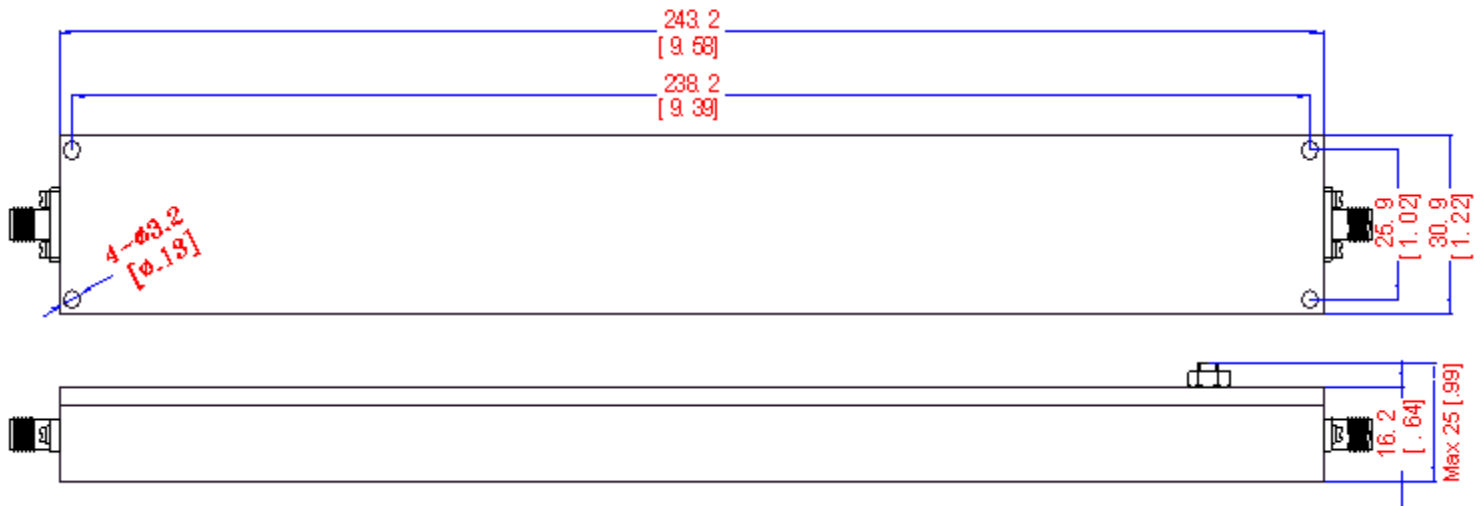
## Mechanical

**Connector Type:** SMA (F)  
**Dimensions:** 9.58 x 1.24 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:

