



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

# 9800 MHz Waveguide Bandpass Filter

Part Number: AE9800WB11553



## Electrical Specifications

**Center Frequency:** 9800 MHz  
**Pass Band Bandwidth:** 9.75~9.85GHz  
**Insertion Loss:**  $\leq 1.0$ dB  
**Pass Band VSWR:**  $\leq 1.5:1$   
**Stop Band Rejection:**  
 $\geq 40$ dB @ DC~9.65GHz  
 $\geq 40$ dB @ 9.95~12GHz  
**Impedance:** 50 Ohms  
**Power Handling:**  $\leq 20$ W

## Mechanical

**Mounting Method:** Thru Holes  
**Connector Type:** SMA-Female  
**Dimensions:** 172 x 31 x 14.2 mm

## Environmental

**Operating Temperature:**  $-45^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$   
**Storage Temperature:**  $-55^{\circ}\text{C}$  to  $+95^{\circ}\text{C}$   
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 Hz

## Outline Drawing:

