



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

# 10000 MHz Waveguide Bandpass Filter

**Part Number: AE10000WB11543**



## Electrical Specifications

**Center Frequency:** 10000 MHz  
**Pass Band Bandwidth:** 50MHz (9975~10025MHz)  
**Insertion Loss:**  $\leq 1.0$ dB  
**Pass Band VSWR:**  $\leq 1.5:1$   
**Stop Band Rejection:**  $\geq 60$ dB @  $F_0 \pm 500$ MHz  
(9500MHz, 10500MHz)  
**Impedance:** 50 Ohms  
**Power Handling:** 10 W

## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** SMA Female  
**Dimensions:** 92.7 x 31.0 x 16.2 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:

