



# 16000 MHz Waveguide Bandpass Filter

Part Number: AE16000WB11563



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

## Electrical Specifications

**Center Frequency:** 16GHz  
**Pass band Bandwidth:** 60MHz (15.97~16.03GHz)  
**Insertion Loss at Center Frequency:**  
 $\leq 2.0\text{dB @ } 16\text{GHz}$   
**Pass Band VSWR:**  $\leq 1.4:1$   
**Stop Band Rejection:**  
 $\geq 40\text{dB @ } F_0 \pm 100\text{MHz}$   
 (15.9GHz, 16.1GHz)  
**Impedance:** 50 Ohms  
**Power Handling:**  
 Average: 4W / Peak: 400W (1% duty cycle)

## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** SMA-Female  
**Dimensions:** 117 x 24 x 14 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:

