



# 18000 MHz Waveguide Bandpass Filter

Part Number: AE18000WB11562



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

## Electrical Specifications

**Center Frequency:** 18GHz  
**3 dB Bandwidth:**  $\approx 66\text{MHz}$  (17.967~18.033GHz)  
**Insertion Loss at Center Frequency:**  
 $\leq 3.0\text{dB}$  @ 18GHz  
**VSWR @ 46MHz Bandwidth:**  
 $\leq 1.5:1$  @ 17.977~18.023GHz  
**Stop Band Rejection:**  
 $\geq 35\text{dB}$  @ 125MHz Bandwidth  
(17.9375GHz, 18.0625GHz)  
**Impedance:** 50 Ohms  
**Power Handling:**  $\leq 50\text{W}$

## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** N-Female  
**Dimensions:** 127 x 22 x 18.5 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:

