



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

# 12.975 GHz Cavity Bandpass Filter

Part Number: AE12B9783



## Electrical specifications

**Center Frequency:** 12.975 GHz  
**3 dB Bandwidth:** +/- 275 MHz min.  
**Input / Output Impedance:** 50 Ohms  
**Passband Insertion Loss:** <2 dB  
**Passband Ripple:** <0.2 dB  
**Passband Return Loss:** >12 dB  
**Rejection:** >50 dB @ 0-12.40 GHz  
**Rejection 2:** >50 dB @ 13.60-20 GHz  
**Power Handling:**

## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:**  
**Dimensions:** 4" x .625" x .500"

## Environmental

**Operating Temperature:** -40 to +85 deg.C  
**Storage Temperature:** -55 to +95 deg.C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 MHz

## Outline Drawing:

