



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

# 7000-8000 MHz Cavity Bandpass Filter

**Part Number: AB7500B1077**



## Electrical specifications

**Passband Frequency:** 7000-8000 MHz  
**Insertion Loss @ Band Edges:**  $\leq 1.8$ dB  
**Passband Return Loss:**  $\geq 14$ dB  
**Rejection:**  $\geq 20$ dB@6900MHz  
**Rejection 2:**  $\geq 20$ dB@8100MHz  
**Input / Output Impedance:** 50 Ohms  
**Power Handling:** 1W(CW)

## Mechanical

**Connector Type:** SMA (F)  
**Dimensions:** 6.37 x .65 x .63 inches  
**Surface Finish:** Black

## Environmental

**Operating Temperature:** -45 to +85 deg.C  
**Storage temperature:** -65 to +95 deg.C  
**Shock:** 20 G's, 1/2 sine, 11ms  
**Vibration:** 10 G's, 10-2000Hz  
**Relative Humidity:** 0-95%

## Outline Drawing:

