



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

# 4250 MHz Cavity Band Pass Filter

**Part Number: AE4250B11556**



## Electrical Specifications

**Center Frequency:** 4250 MHz  
**Passband bandwidth:** 750MHz (3875~4625MHz)  
**Passband Insertion loss:**  $\leq 1.3\text{dB}$   
**Passband VSWR:**  $\leq 1.5:1$   
**Stop Band Rejection:**  
 $\geq 60\text{dB}$  @ DC~3625MHz  
 $\geq 60\text{dB}$  @ 4875~7000MHz  
**Impedance:** 50 Ohms  
**Power Handling:** 20 Watts

## Mechanical

**Mounting Method:** Thru Mounting Holes  
**Connector Type:** SMA (F)  
**Dimensions:** 3.22" X 0.787" x 0.354" in.

## Environmental

**Operating Temperature:**  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$   
**Storage Temperature:**  $-55^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$   
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 Hz

## Outline Drawing:

