



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

# 4250 MHz Suspended Stripline High Pass Filter

**Part Number: AE4250SSH6594**



## Electrical Specifications

**Cut Off Frequency:** 4.25GHz  
**Pass Band Frequency:** 18~28GHz  
**Pass Band Insertion Loss:**  
 $\leq 1.5\text{dB @ } 4.25\sim 4.4\text{GHz}$   
 $\leq 1.0\text{dB @ } 4.4\sim 23\text{GHz}$   
**Pass Band VSWR:**  
 $\leq 1.5:1 @ 4.25\sim 20\text{GHz}$   
 $\leq 1.8:1 @ 20\sim 23\text{GHz}$   
**Stop Band Attenuation:**  $\geq 50\text{dB @ DC}\sim 3.4\text{GHz}$   
**Impedance:** 50 Ohms  
**Power Handling:**  $\leq 15\text{W}$

## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** SMA-Female  
**Dimensions:** 24 x 16 x 10 mm

## Environmental

**Operating Temperature:**  $-45^\circ$  to  $+85^\circ$  C  
**Storage Temperature:**  $-55^\circ$  to  $+95^\circ$  C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 Hz

## Outline Drawing:

