



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

# 8000 MHz Suspended Stripline High Pass Filter

**Part Number: AE8000SSH6543**



## Electrical Specifications

**Cut Off Frequency:** 8.0GHz  
**Pass Band Frequency:** 8.0~25GHz  
**Pass Band Insertion Loss:**  
 $\leq 2.0\text{dB @ } 8.0\sim 8.5\text{GHz}$   
 $\leq 1.0\text{dB @ } 8.5\sim 25\text{GHz}$   
**Pass Band VSWR:**  
 $\leq 1.5:1 @ 8.0\sim 20\text{GHz}$   
 $\leq 1.8:1 @ 20\sim 25\text{GHz}$   
**Stop Band Attenuation:**  $\geq 60\text{dB @ DC}\sim 7.25\text{GHz}$   
**Impedance:** 50 Ohms  
**Power:**  $\leq 15\text{W}$

## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** SMA-Female  
**Dimensions:** 29 x 21 x 10 mm

## Environmental

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

## Outline Drawing:

