



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

# 5500 MHz Suspended Stripline High Pass Filter

**Part Number: AE5500SSH6597**



## Electrical Specifications

**Cut Off Frequency:** 5.5GHz  
**Pass Band Frequency:** 5.5~24.5GHz  
**Pass Band Insertion Loss:**  
 $\leq 1.5\text{dB @ } 5.5\sim 5.7\text{GHz}$   
 $\leq 1.0\text{dB @ } 5.7\sim 24.5\text{GHz}$   
**Pass Band VSWR:**  
 $\leq 1.5:1 @ 5.5\sim 20\text{GHz}$   
 $\leq 1.8:1 @ 20\sim 24.5\text{GHz}$   
**Stop Band Attenuation:**  $\geq 50\text{dB @ DC}\sim 4.5\text{GHz}$   
**Impedance:** 50 Ohms  
**Power Handling:**  $\leq 15\text{W}$

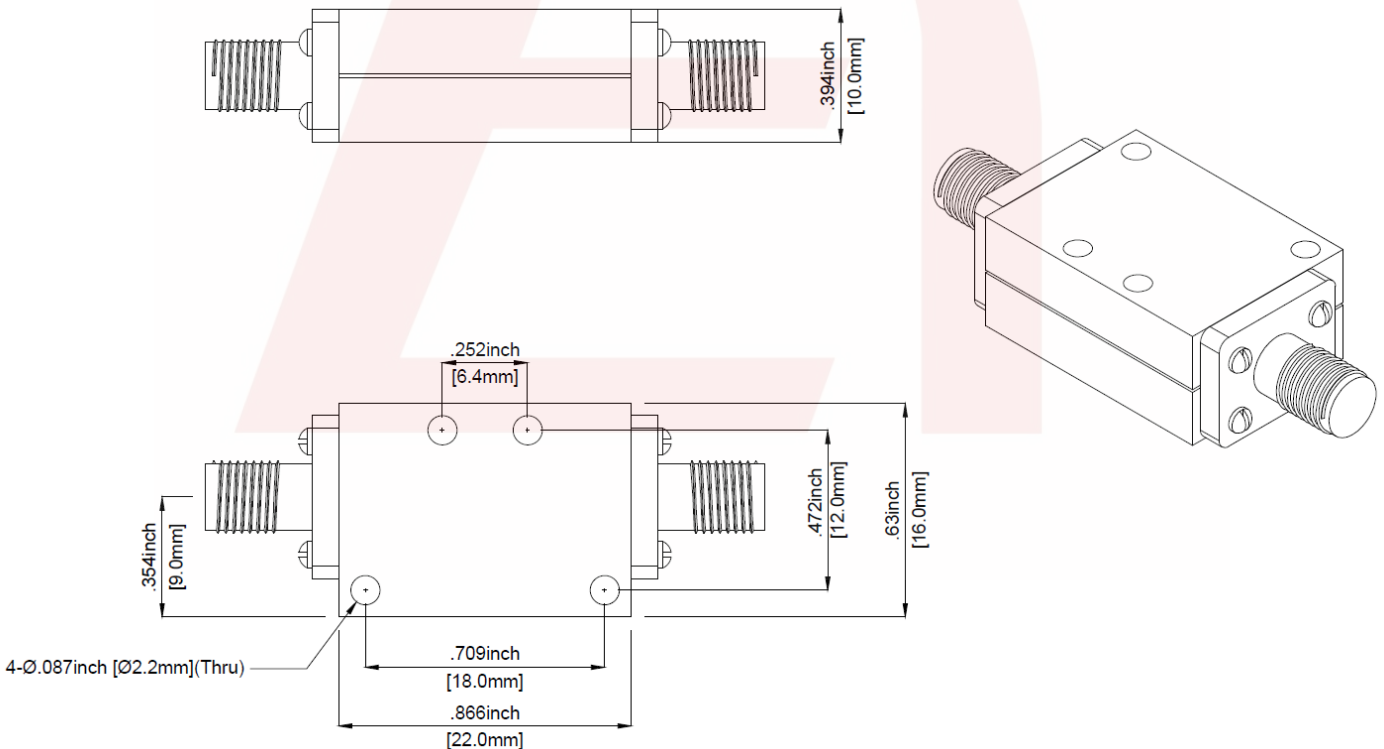
## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** SMA-Female  
**Dimensions:** 22 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:



DS-SSH6597-01252019-Rev0