



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

# 1500 MHz Suspended Stripline High Pass Filter

**Part Number: AE1500SSH6583**



## Electrical Specifications

**Cut Off Frequency:** 1.5GHz  
**Pass Band Frequency:** 1.5~14GHz  
**Pass Band Insertion Loss:**  
 $\leq 1.5\text{dB @ } 1.5\sim 1.6\text{GHz}$   
 $\leq 1.0\text{dB @ } 1.6\sim 14\text{GHz}$   
**Pass Band VSWR:**  $\leq 1.5:1$   
**Stop Band Attenuation:**  $\geq 50\text{dB @ DC}\sim 1.17\text{GHz}$   
**Impedance:** 50 Ohms  
**Power Handling:**  $\leq 15\text{W}$

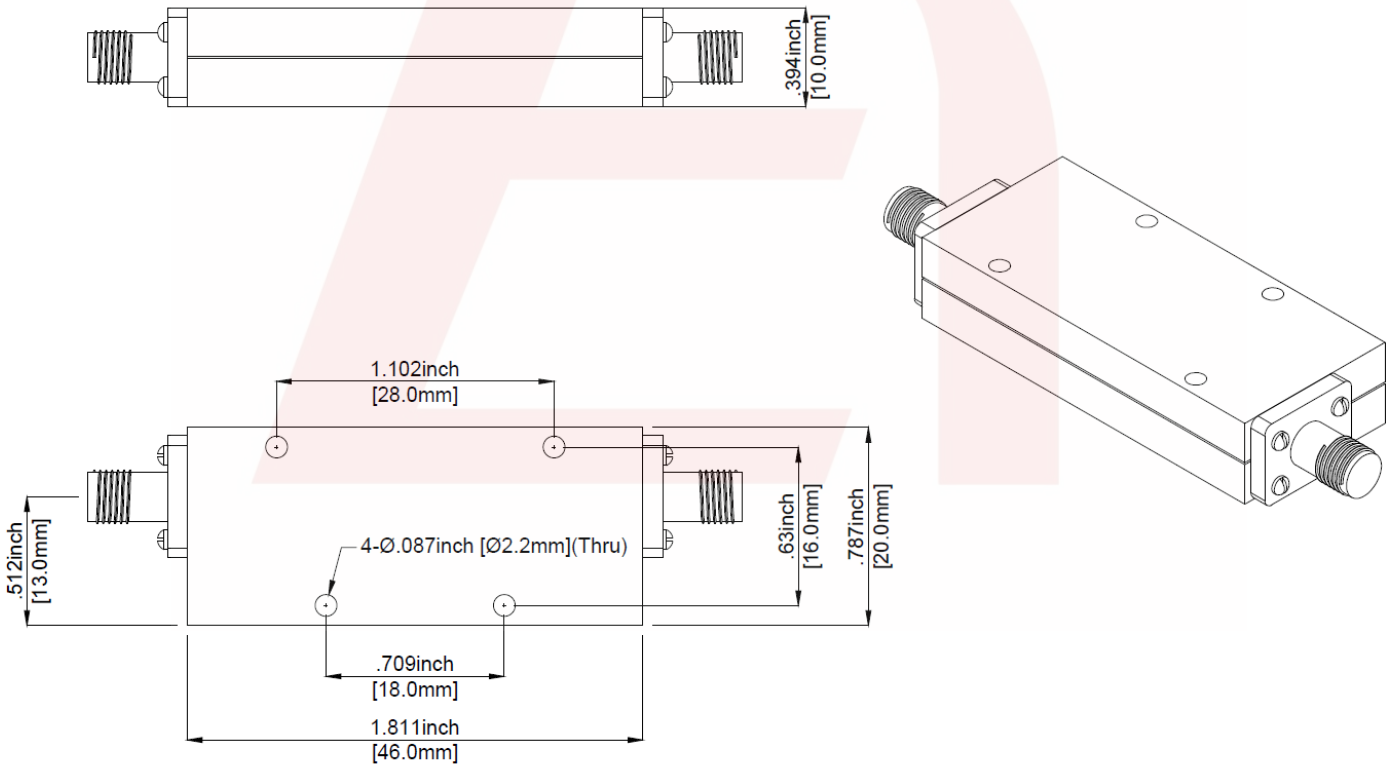
## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** SMA-Female  
**Dimensions:** 46 x 20 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:



Tolerance:  $\pm 0.01$  inches [ $\pm 0.3\text{mm}$ ]

Angles:  $\pm 1$  Deg.

\*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

\*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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### Response plot:

