



# 15000 MHz Suspended Stripline Low Pass Filter

Part Number: AE15000SSL1028



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

## Electrical Specifications

- Cut Off Frequency:** 15GHz
- Pass Band Frequency:** DC~15GHz
- Pass Band Insertion Loss:**  
 $\leq 1.0\text{dB @ DC} \sim 14.5\text{GHz}$   
 $\leq 2.5\text{dB @ } 14.5 \sim 15\text{GHz}$
- Pass Band VSWR:**  $\leq 1.5:1$
- Stop Band Attenuation:**  $\geq 50\text{dB @ } 16 \sim 22.3\text{GHz}$
- Impedance:** 50 Ohms
- Power Handling:**  $\leq 15\text{W}$

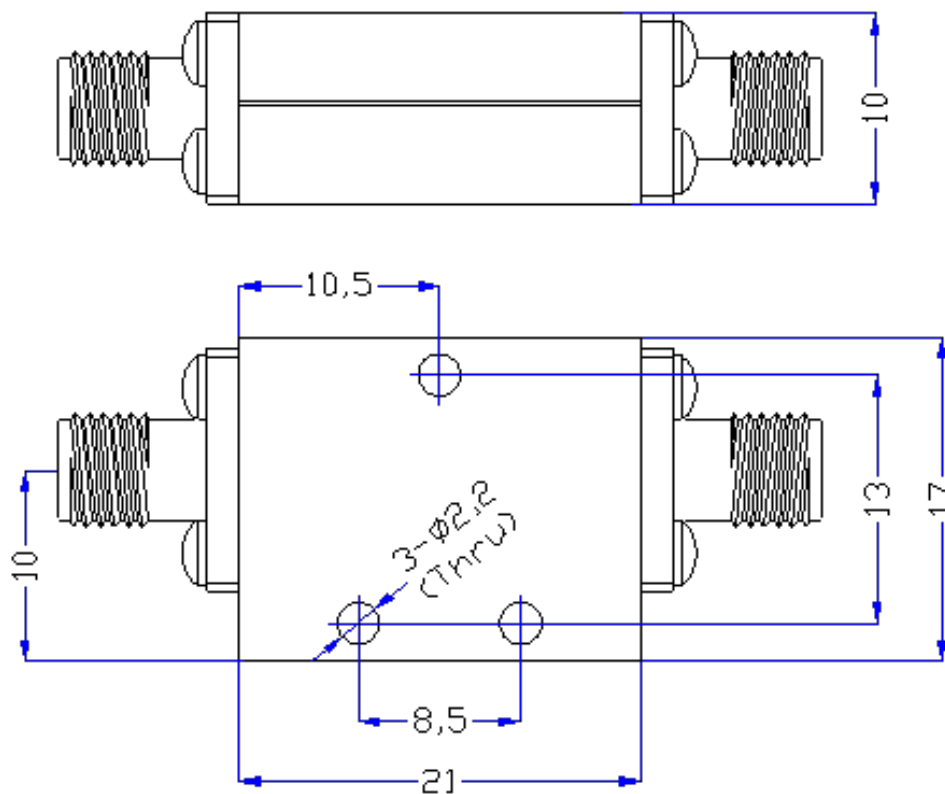
## Mechanical

- Mounting Method:** Through Holes
- Connector Type:** SMA-Female
- Dimensions:** 21 x 17 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:



2 decimal places:  $\pm 0.01$  inches [ $\pm 0.3\text{mm}$ ]

3 decimal places:  $\pm 0.005$  inches [ $\pm 0.13\text{mm}$ ]

Angles:  $\pm 1$  Deg.

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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