



# 4500 MHz Suspended Stripline Low Pass Filter

**Part Number: AE4500SSL1042**



## Electrical Specifications

**Cut Off Frequency:** 4.5GHz  
**Pass Band Frequency:** DC~4.5GHz  
**Pass Band Insertion Loss:**  
 $\leq 1.0\text{dB @ DC}\sim 4.3\text{GHz}$   
 $\leq 1.5\text{dB @ } 4.3\sim 4.5\text{GHz}$   
**Pass Band VSWR:**  $\leq 1.3:1$   
**Stop Band Attenuation:**  $\geq 60\text{dB @ } 5.1\sim 13.7\text{GHz}$   
**Impedance:** 50 Ohms  
**Power Handling:**  $\leq 15\text{W}$

## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** SMA-Female  
**Dimensions:** 34 x 23 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:

