



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

# 12000 MHz Low Pass Filter

**Part Number: AE12000L9225**



## Electrical Specifications

**Cutoff Frequency (Fc):** 12000 MHz  
**Passband:** DC-12000 MHz  
**Insertion Loss:**  $\leq 0.4\text{dB}$  @ 9200-9500 MHz  
**Insertion Loss2:** 1.2dB @ 12000MHz  
**VSWR:**  $\geq 1.5:1$  @ 9200-9500 MHz  
**VSWR2:**  $\geq 1.785:1$  @ 12000 MHz  
**Rejection:**  $\geq 25\text{dB}$  @ 14400 MHz  
**Rejection:**  $\geq 55\text{dB}$  @ 18000 MHz  
**Rejection:**  $\geq 55\text{dB}$  @ 25000 MHz  
**Impedance:** 50 Ohm  
**Power Handling:** 50 Watts CW

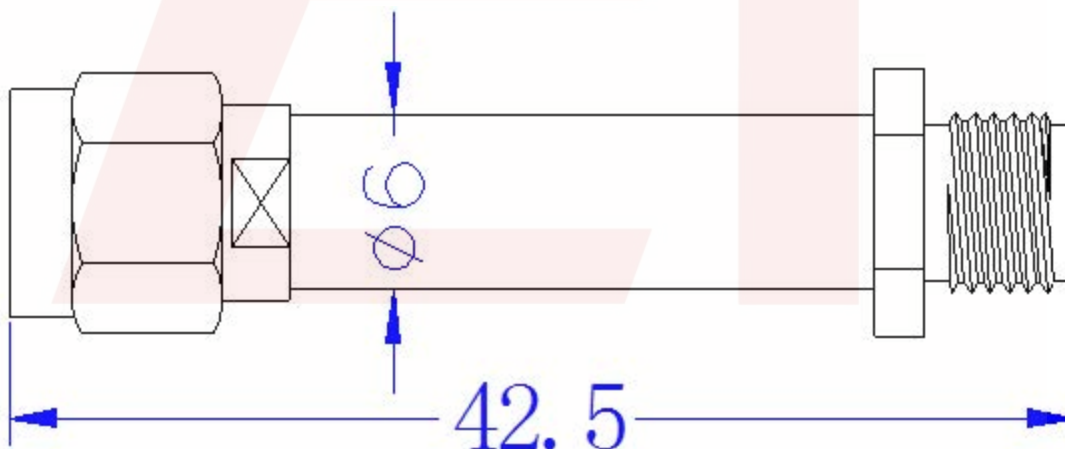
## Mechanical

**Connector Type:** SMA(F) & SMA(M)  
**Dimensions:** 7 mm Dia x 42.5 mm Long

## Environmental

**Operating Temperature:**  $-45^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$   
**Storage Temperature:**  $-55^{\circ}\text{C}$  to  $+95^{\circ}\text{C}$   
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

## Outline Drawing:



DS-L9225-01082018-Rev0