



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

# 4500 MHz Cavity Bandpass Filter

**Part Number: AE4500B11854**



## Electrical specifications

**Center Frequency:** 4500 MHz  
**Pass Band:** 4400-4600 MHz  
**Insertion loss:** 0.6 dB Max  
**Return loss:** 15 dB Min  
**Rejection:**  $\geq 55\text{dB}@F_c \pm 300\text{ MHz}$   
**Power Handling:** 40 W max

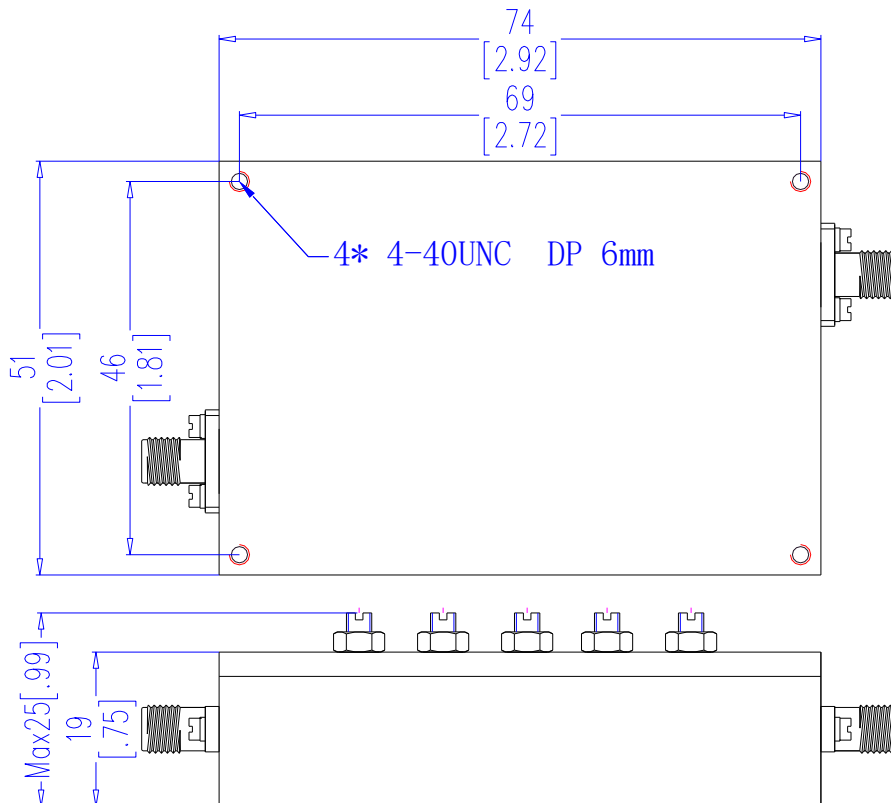
## Mechanical

**Mounting Method:** 4-40 Threaded Mounting Holes  
**Connector Type:** Removable SMA Female  
**Dimensions:** 74 x 51 x 25 mm

## Environmental

**Operating Temperature:** -30 to +70°C  
**Storage Temperature:** -55 to +95°C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 Hz  
**Drop test:** 2 feet

## Outline Drawing:





### Simulation plot

