



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

# 4700 MHz Cavity Bandpass Filter

**Part Number: AB4700B526**



## Electrical specifications

**Center Frequency:** 4700 MHz  
**Bandwidth:** 120 MHz  
**3dB BW:** >4590-4810 MHz  
**80dB BW:** <4540-4860 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 4640-4760 MHz  
**Passband Insertion Loss:** 0.8 dB  
**Passband Ripple:** +/- 0.1 dB  
**VSWR @ B.W.:** 1.3:1  
**Rejection at 2fc:** >80 dB  
**Power Handling:** 100 W CW

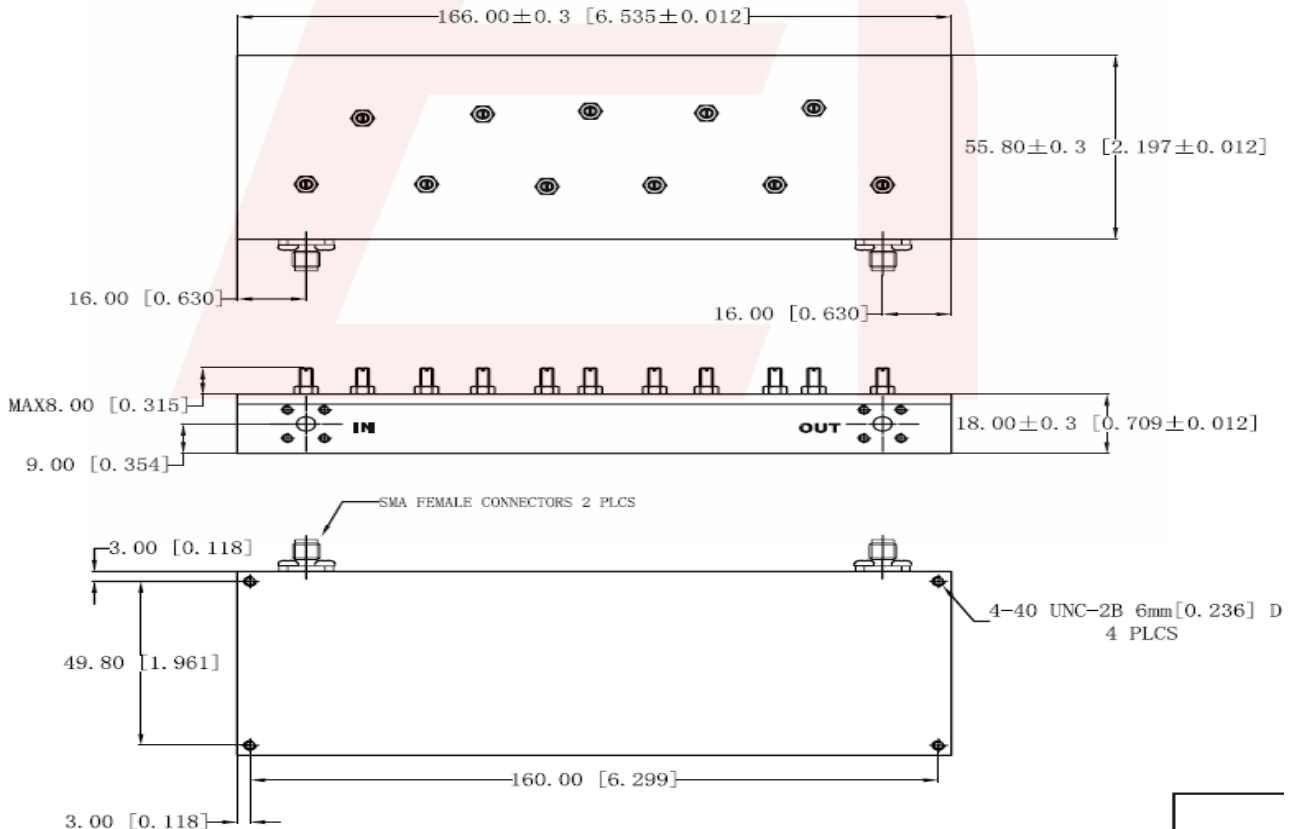
## Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** SMA (F)  
**Dimensions:** 166mm x 55.8mm x 18mm

## Environmental

**Operating Temperature:** -20 +60 deg.C  
**Storage Temperature:** -30 to +75 deg.C  
**Shock:** 15 G. 11ms  
**Vibration:** 20 G. 20 to 200 MHz

## Outline Drawing:





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## Response Plot:

