



## 3.4 - 3.6 GHz Cavity Bandpass Filter

**Part Number: AB3500B510**



### Electrical specifications

**Center Frequency:** 3500 MHz  
**Bandwidth:** 200 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband Insertion Loss:** 2 dB  
**Passband Ripple:** 1dB/200 MHz  
 0.5dB/20 MHz  
**Passband Return Loss:** 12 dB  
**Rejection:** 10 dBc @ 2132-2332 MHz  
**Rejection 2:** 23 dBc @ 2766-2966 MHz  
**Rejection 3:** 35 dBc @ 3083-3283 MHz  
**Rejection 4:** 10 dBc @ 4033-4233 MHz  
**Power Handling:** 20 W

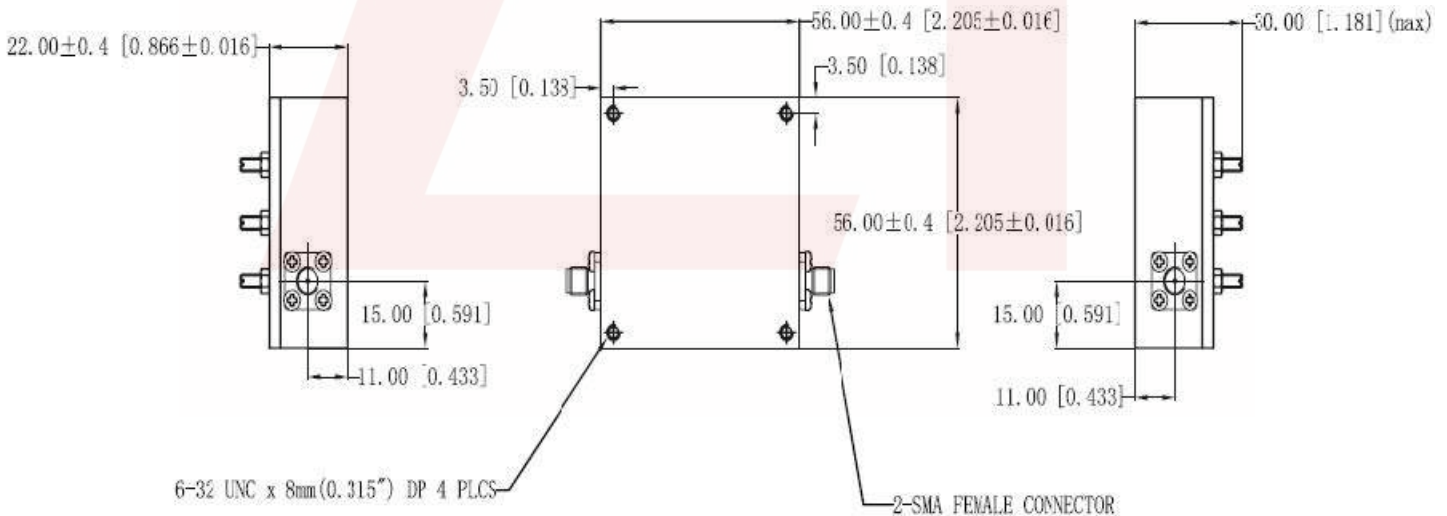
### Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** SMA (F)  
**Dimensions:** 56mm x 56mm x 30mm

### Environmental

**Operating Temperature:** 25 to +50 deg.C  
**Storage Temperature:** -55 to +95 deg.C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 Hz

### Outline Drawing:





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## Response Plot:

