



### Electrical specifications

**Center Frequency:** 847 MHz  
**Bandwidth:** 832 - 862 MHz  
**Insertion Loss:** 2.0 dB Max  
**Ripple:** 0.8 dB Max  
**Rejection:** 50 dB min @ DC - 821 MHz  
**Rejection:** 50 dB min @ 873 - 2200 MHz  
**Return Loss:** 15 dB Min  
**Impedance:** 50  $\Omega$   
**Power Handling:** 50W

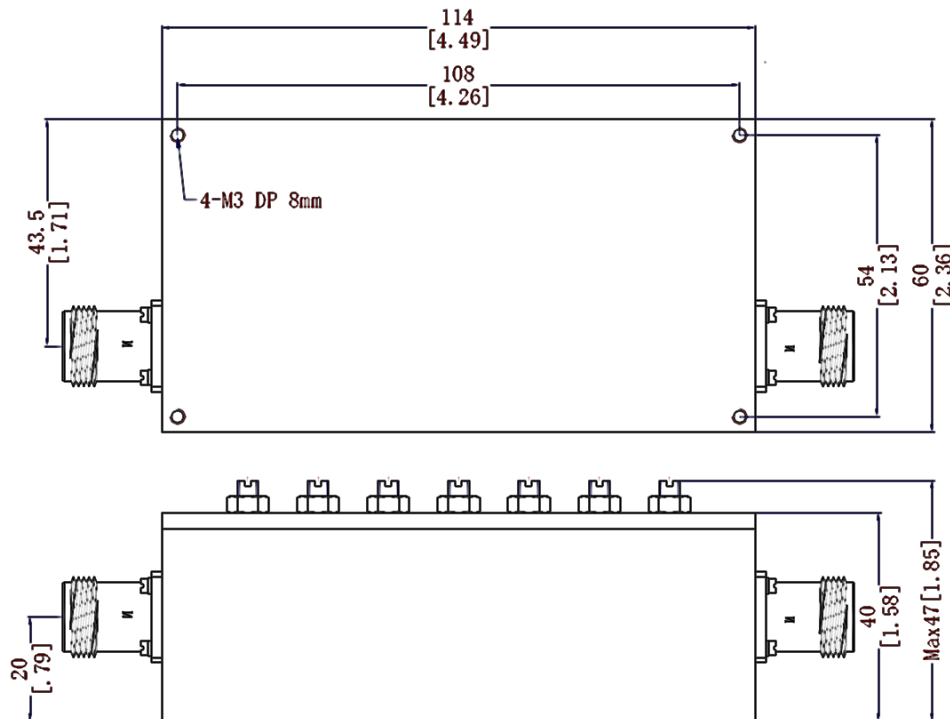
### Mechanical

**Connector Type:** N Type Female  
**Mounting:** M3 Threaded Mounting Hole  
**Dimensions With Mounting:** 4.49 x 2.36 x 1.85 in

### Environmental

**Operating Temperature:** -10 to +50° C  
**Storage Temperature:** -55 to +95° C  
**Shock:** 20G. 11ms half sine wave, 3 axis  
**Vibration:** 20 G. 5 to 200 MHz

### Outline Drawing:





# 847 MHz Cavity Bandpass Filter

Part Number: AE847B11457



## Response plot:

