



### Electrical specifications

**Center Frequency:** 312.5 MHz  
**Bandwidth:** 170 MHz  
**Passband:** 225 – 395 MHz (Goal 400 MHz)  
**Insertion loss in Passband:** 1.5 dB Max  
**Return Loss in Passband:** 15 dB Min  
**Rejection:** 80 dB Min @ 200 MHz  
                   20 dB Min @ 406 MHz  
                   80 dB Min @ 425 MHz  
**Impedance:** 50 Ohms In/Out  
**Power Handling:** 50 W

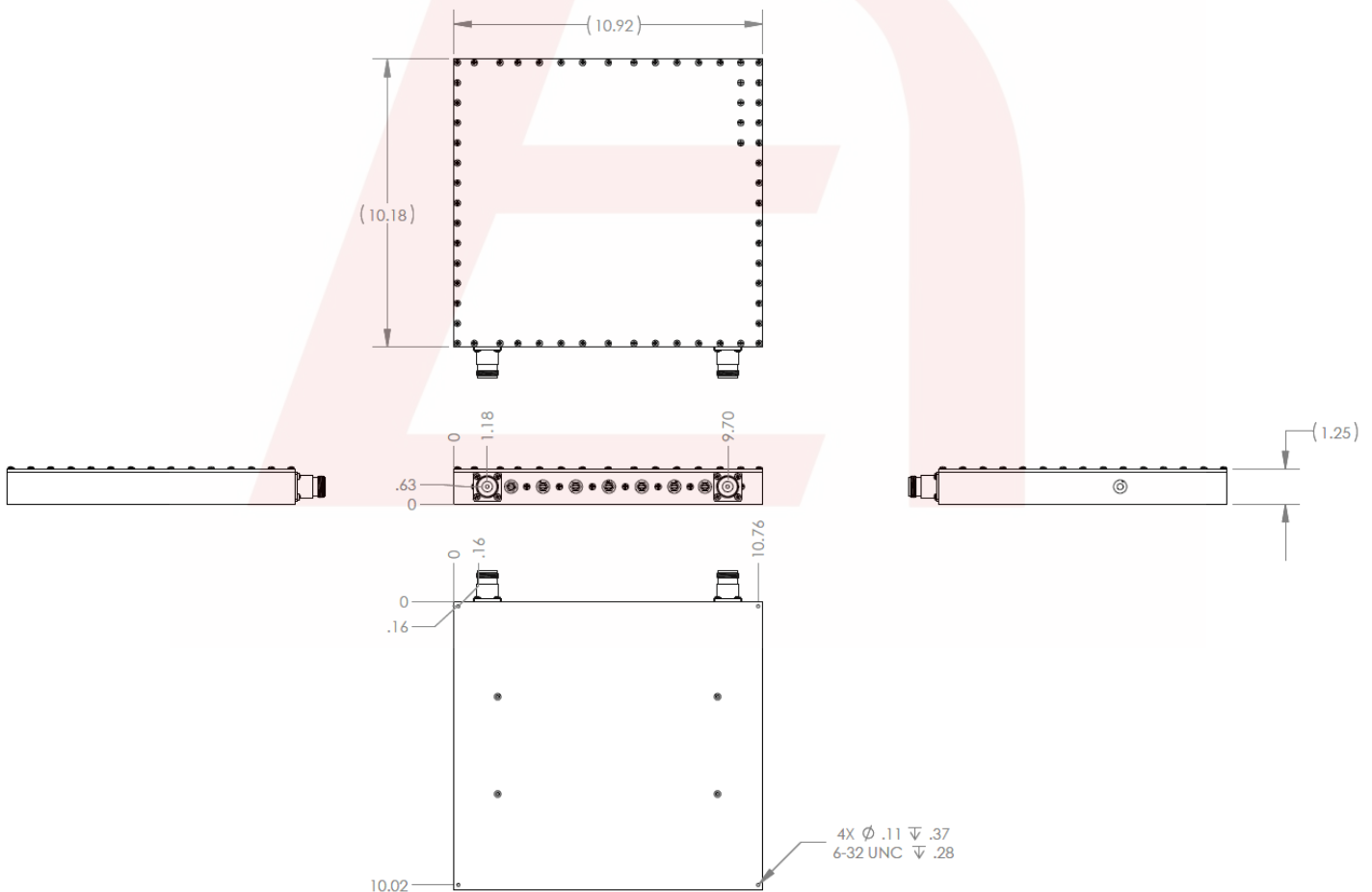
### Mechanical

**Connector Type:** N-Type Female  
**Dimensions:** 10.92 x 10.18 x 1.25 in.

### Environmental

**Operating Temperature:** -40 to +85° C  
**Storage Temperature:** -45 to +85° C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 Hz

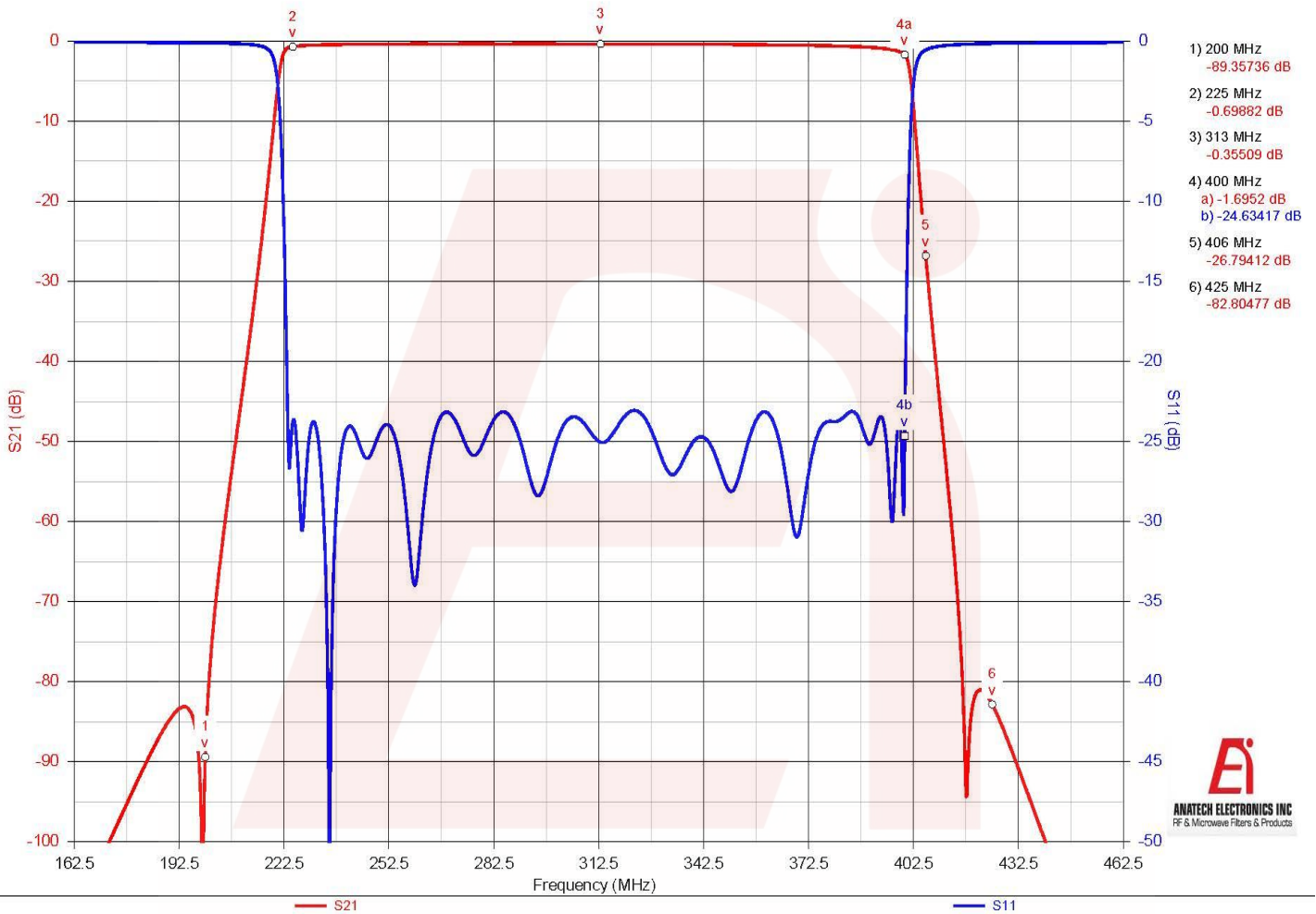
### Outline Drawing:





### Simulation Plot:

BPF 225-400 MHz INTERDIGITAL



Note: This is a simulation Plot. Actual response plot might differ.