



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

## 312.5 MHz Cavity Bandpass Filter

**Part Number: AE312B12028**



### Electrical specifications

**Center Frequency:** 312.5 MHz

**Bandwidth:** 175 MHz

**Passband:** 225 – 400 MHz

**Insertion Loss:** 1.0 dB Max

**Return Loss:** 15 dB Min

**Rejection:** 80 dB Min @ DC – 200 MHz

**Rejection:** 80 dB Min @ 425 – 1000 MHz

**Impedance:** 50 Ohms In/Out

**Power Handling:** 50 W

### Mechanical

**Connector Type:** N-Type Female

**Dimensions:** 15.75 x 5.31 x 2.01 in.

400 x 135 x 51 mm

### Environmental

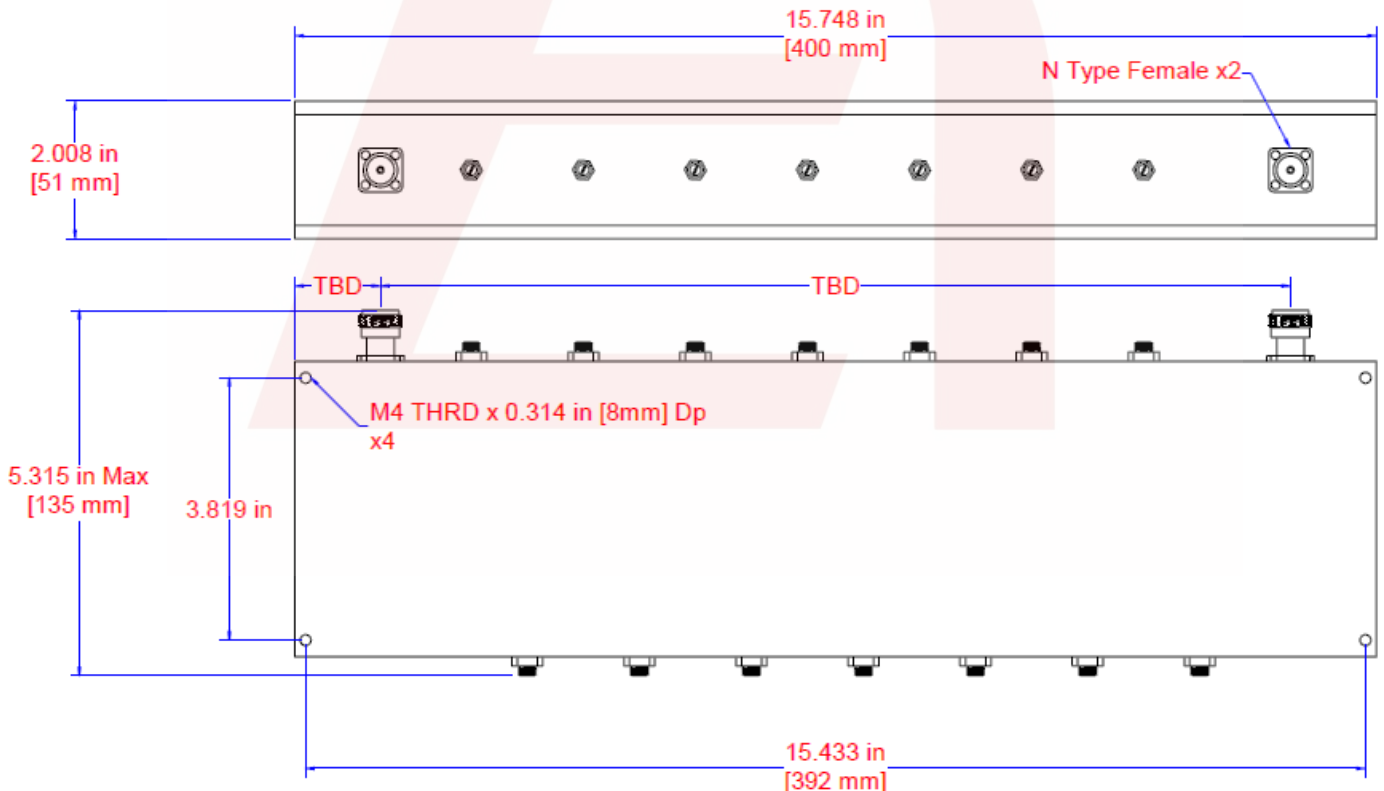
**Operating Temperature:** -45 to +85° C

**Storage Temperature:** -55 to +95° C

**Shock:** 20G for 11ms

**Vibration:** 20 G. 5 to 200 Hz

### Outline Drawing:



DS-B12028-08082023-Rev0



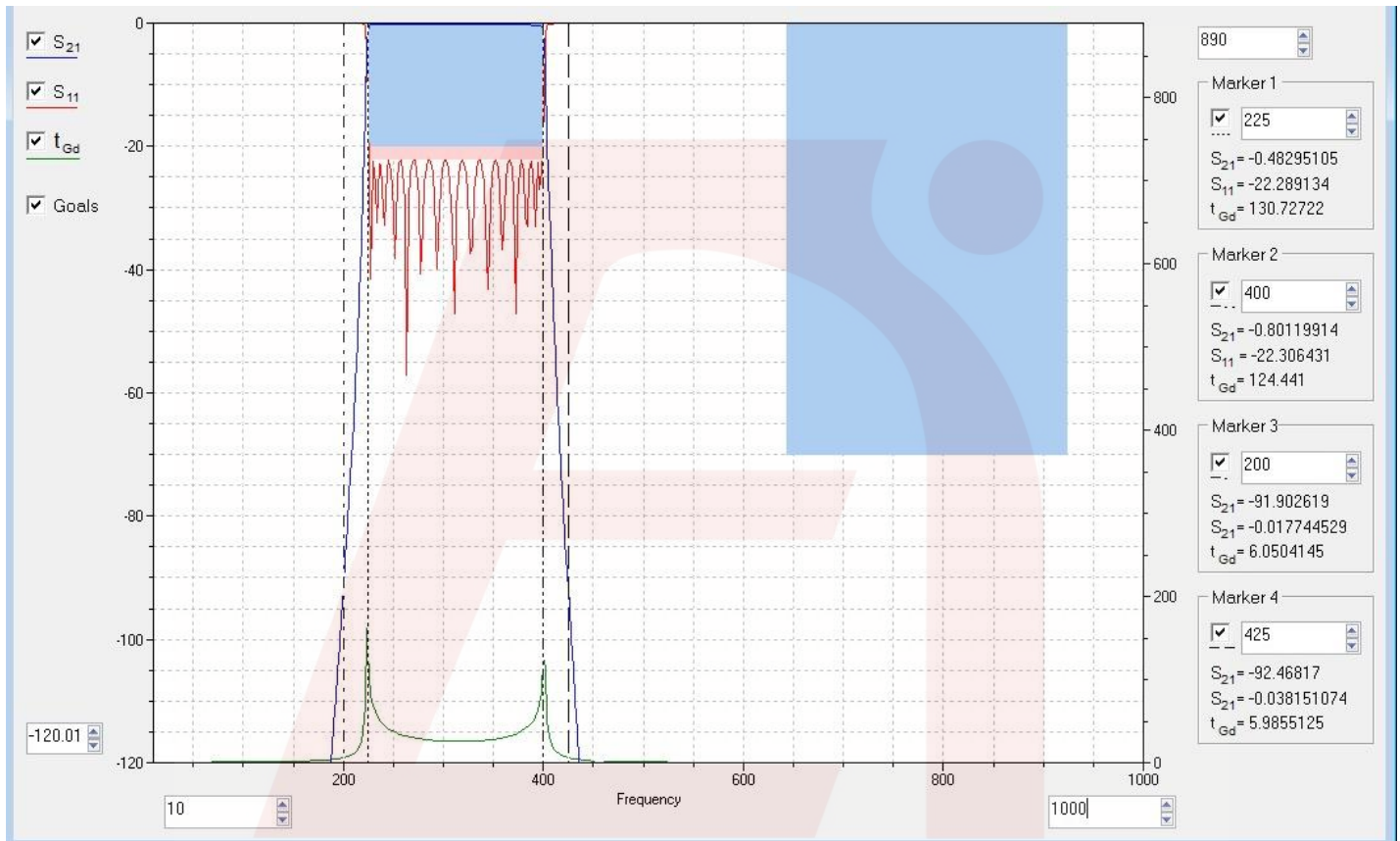
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### Response Plot:



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

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