



# 16500 MHz Cavity Bandpass filter

## Part Number: AE16500B11053

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



### Electrical specifications

- Frequency Range:** 16300~16700 MHz
- Center Frequency:** 16500 MHz
- Bandwidth:** 400 MHz
- Insertion Loss:**  $\leq 3.0$  dB
- Ripple:**  $\leq 0.5$  dB
- Return Loss:**  $\geq 15$  dB
- Rejection 1:**  $> 65$  dB @ 15125 MHz - 17875 MHz
- Rejection 2:**  $> 60$  dB @ 13750 MHz - 19250 MHz
- Rejection 3:**  $> 50$  dB @ DC - 13750 MHz - 19250 - 40000 MHz
- Power:** +23 dBm

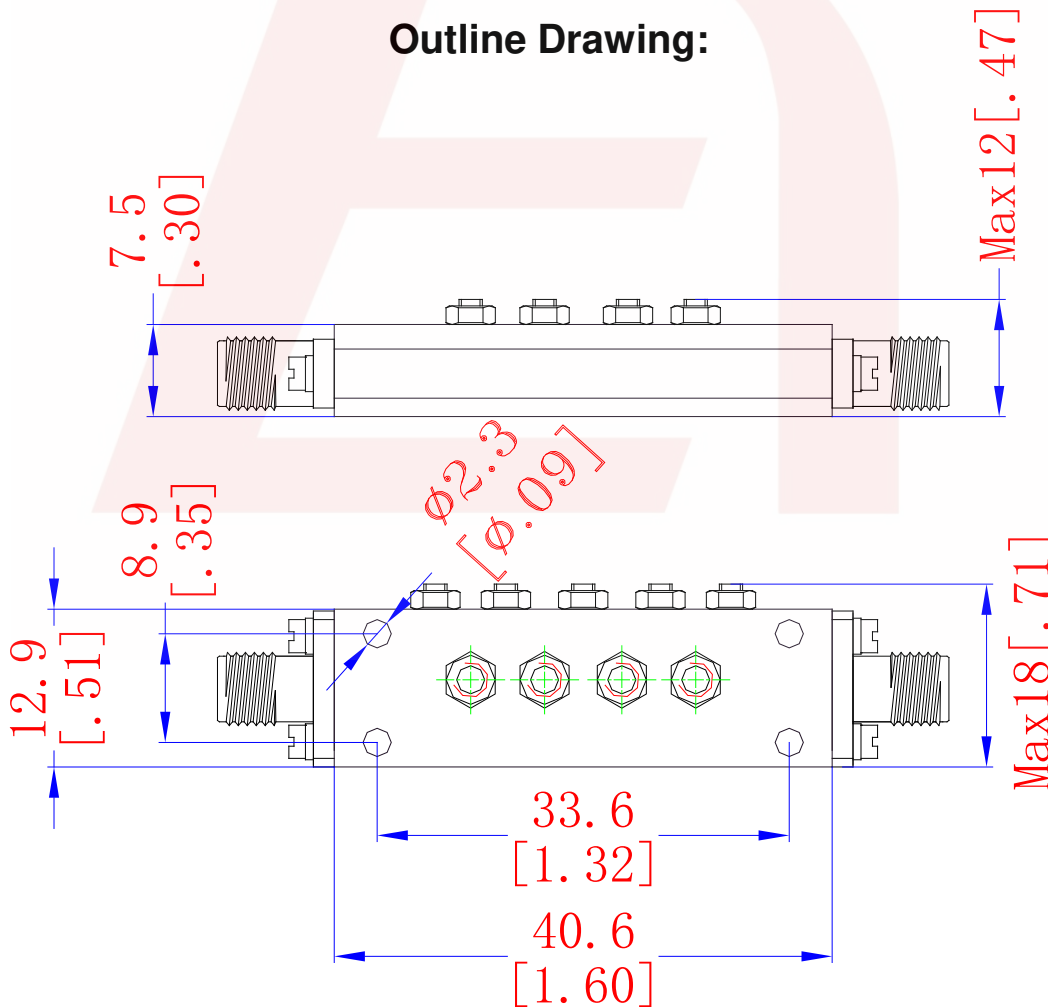
### Mechanical

- Mounting Method:** Thru-Hole  
Top Mounting
- Connector Type:** SMA (F)
- Dimensions:** 1.60" x 0.71" x 0.47" in
- Surface finish:** Black
- Sealing:** IP54

### Environmental

- Operating Temperature:** -45°C to +85°C
- Storage Temperature:** -55°C to +100°C
- Vibration:** 20 G. 11ms
- Shock:** 20 G. 5 to 200 Hz

**Outline Drawing:**



DS-B11053-12302020-Rev0