



# 2500 MHz Cavity Bandpass Filter

## Part Number: AB2500B529



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

### Electrical specifications

- Center Frequency:** 2500 MHz
- Bandwidth:** 5 MHz
- Input / Output Impedance:** 50 Ohm
- Passband:** 7 MHz
- Passband Insertion Loss:** <2.5dB @ 2496.5-2503.5MHz
- Insertion Loss @ center frequency:** <1.5dB @ 2500MHz
- Insertion Loss @ signal bandwidth:** <1.6dB @ 2497.5-2502.5MHz
- Passband Ripple:** <0.2 dB
- Passband Return Loss:** >20dB
- Rejection:** >20 dB at +/-6 MHz from center frequency
- Power Handling:** >20 W

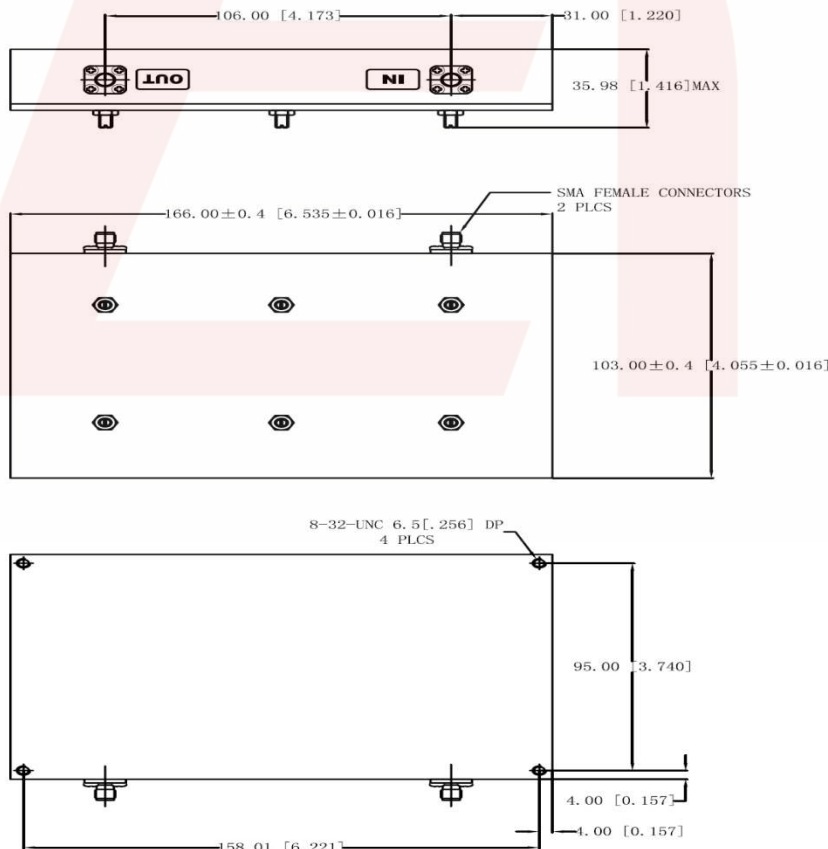
### Mechanical

- Mounting Method:** Threaded Mounting Holes
- Connector Type:** SMA Female
- Dimensions:** 166 x 103 x 35.98 mm.

### Environmental

- Operating Temperature:** 0 to 50 deg.C
- Storage Temperature:** -55 to +95 deg.C
- Shock:** 20 G. 11ms
- Vibration:** 20 G. 5 to 200 Hz

### Outline Drawing:



DS-B529-03152018-Rev0



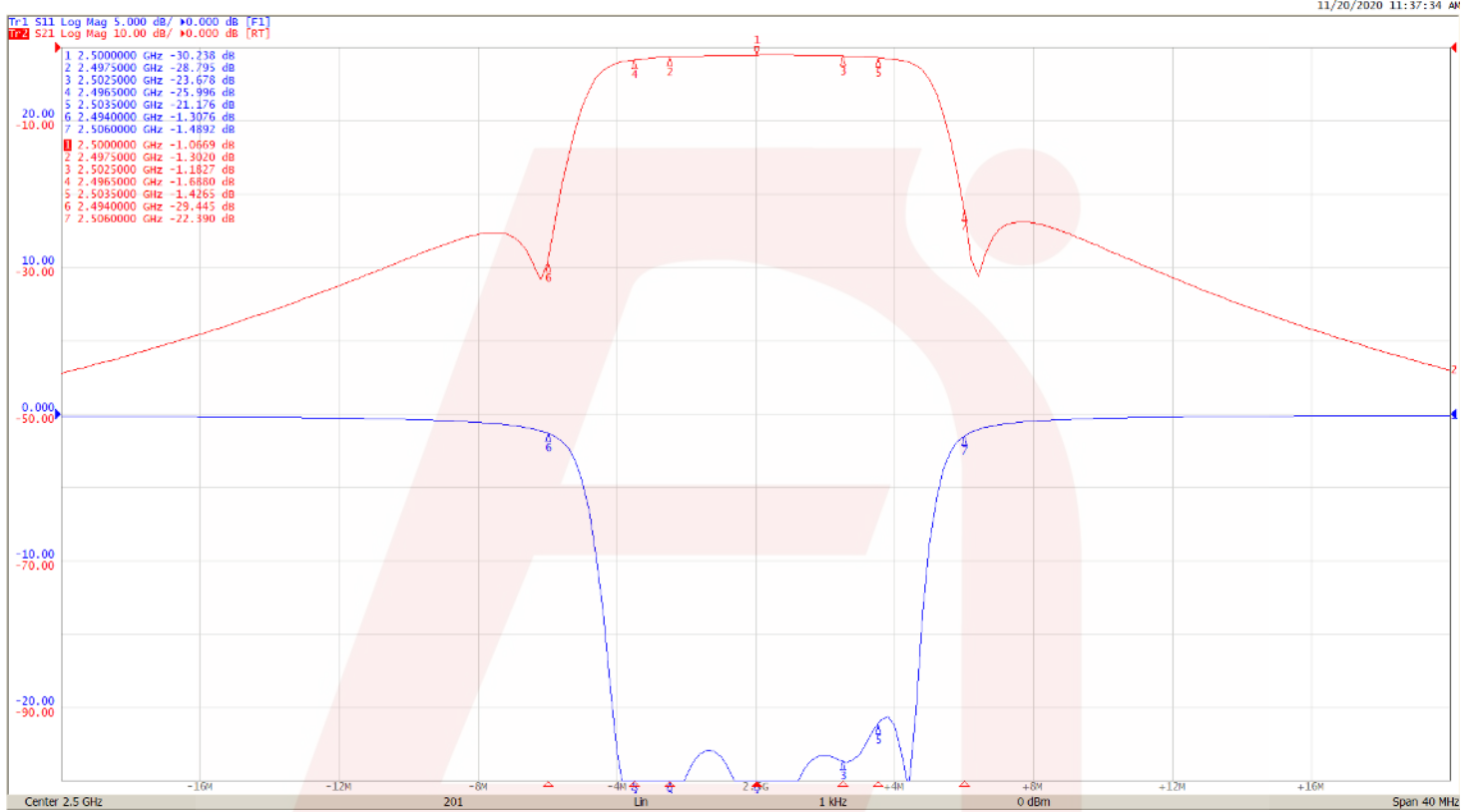
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## Response Plot:



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