



# 2500 MHz Cavity Bandpass Filter

## Part Number: AB2500B914



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

### Electrical specifications

- Center Frequency:** 2500 MHz
- Bandwidth:** 600 MHz
- Input / Output Impedance:** 50 Ohm
- Passband:** 2200-2800 MHz
- Passband Insertion Loss:** <1.0 dB
- Passband Ripple:** 0.8 dB typ
- Passband Return Loss:** -18 dB max, <1.29:1
- Rejection:** DC to 1600 MHz: 80 dB min, 85 dB typ.
- Rejection 2:** 1600-1950 MHz: 50 dB min, 55 dB typ.
- Rejection 3:** 1950-2125 MHz: 10 dB min, 15 dB typ.
- Rejection 4:** 2875-3050 MHz: 10 dB min, 15 dB typ.
- Rejection 5:** 3050-3400 MHz: 60 dB min, 65 dB typ.
- Power Handling:** 20 W

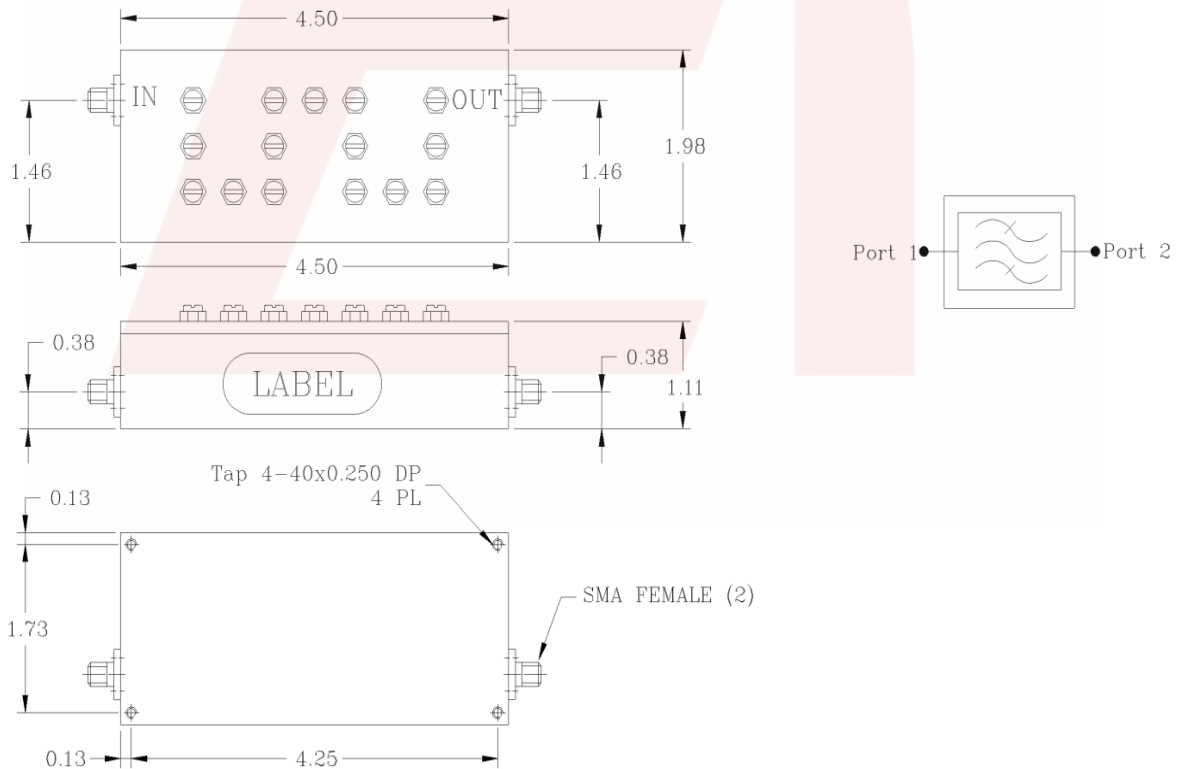
### Mechanical

- Mounting Method:** Threaded Mounting Holes
- Connector Type:** SMA Female
- Dimensions:** 4.50" x 1.98" x 1.11"

### Environmental

- Operating Temperature:** -20° C to +50° C
- Storage Temperature:** -55° C to +95° C
- Shock:** 20 G. 11ms
- Vibration:** 20 G. 5 too 200 MHz

### Outline Drawing:





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### Response Plot:

