



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

## 2500 MHz Bandpass Filter

**Part Number: AE2500B11688**



### Electrical Specifications

**Center Frequency:** 2500 MHz  
**Bandwidth:** 53 MHz  
**Passband:** 2473.5-2526.5 MHz  
**Passband Insertion Loss:** 1.0 dB Max.  
**Passband Ripple:** 0.4 dB Max.  
**VSWR:** 1.5:1 Max.  
**Rejection 1:** 53 dB Min.@ 2300 MHz  
**Rejection 2:** 53 dB Min.@ 2700 MHz  
**Power Handling:** 10W  
**Impedance:** 50 Ohms

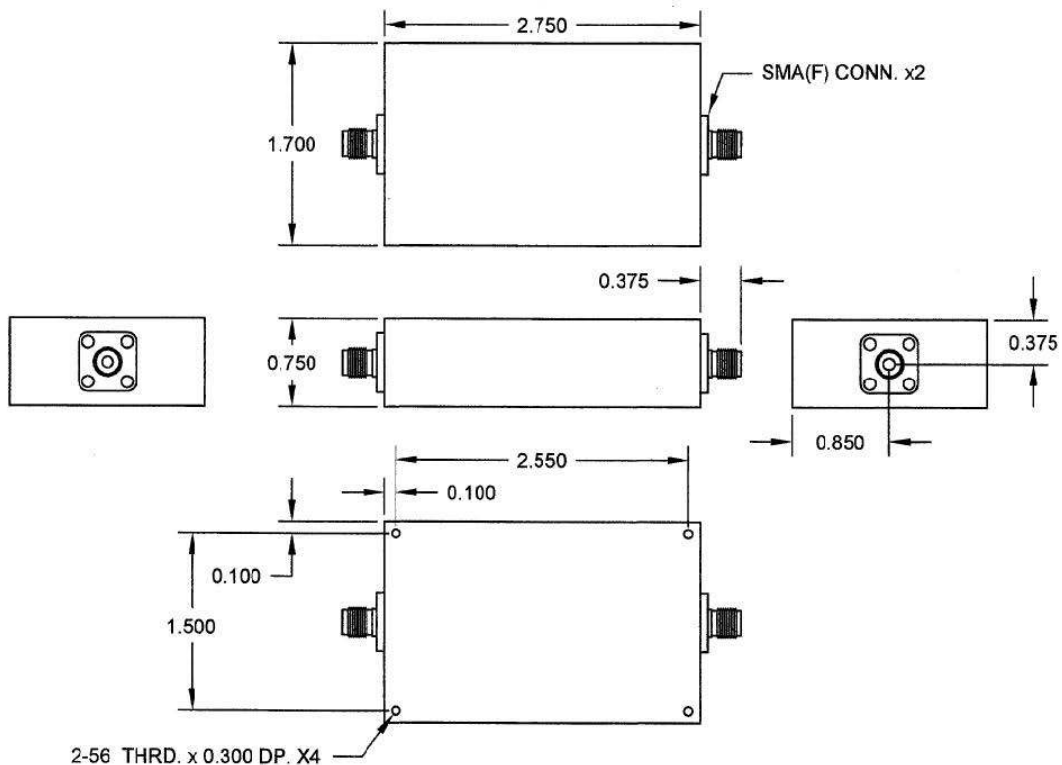
### Mechanical

**Connector Type:** SMA(Female)  
**Dimensions:** 2.75" X 1.7" x 0.75" Approx.  
 ( 69.85 X 43.18 X 19.05 mm Approx. )

### Environmental

**Operating Temperature:** -45°C to +85°C  
**Storage Temperature:** -55°C to +95°C

### Outline Drawing:



2 decimal places: +/-0.01 inches [+/-0.3mm]  
 3 decimal places: +/-0.005 inches [+/-0.13mm]  
 Angles: +/-1 Deg.

*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.  
 The actual outline drawing may be changed once the product will manufacture after the order received.*

**70 Outwater Lane Phone: (973) 772-4242**  
**Garfield, NJ 07026 Fax : (973) 321-3941**

**Email: [sales@anatechelectronics.com](mailto:sales@anatechelectronics.com)**  
**Web: [www.anatechelectronics.com](http://www.anatechelectronics.com)**



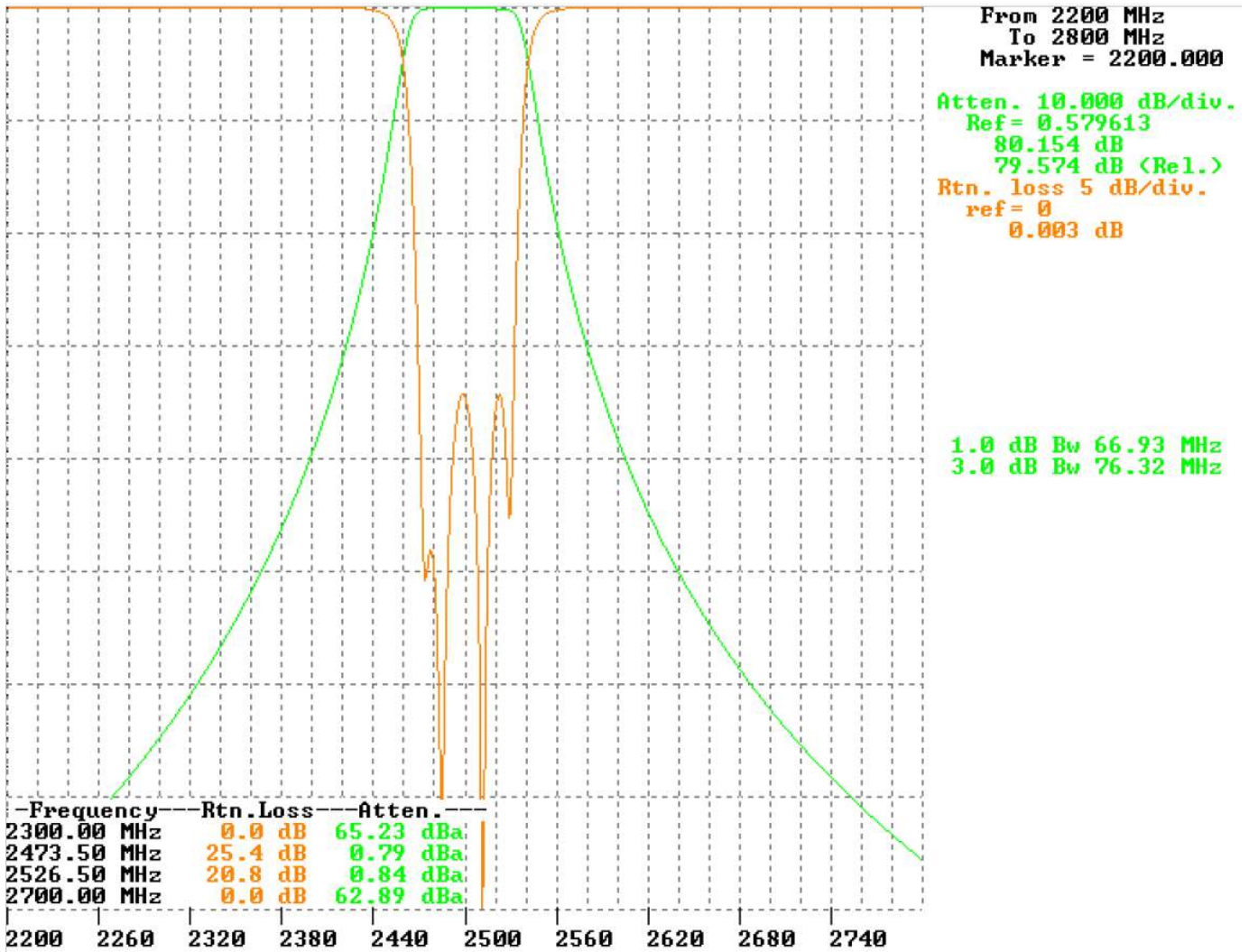
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## Simulation Plot:



Note: This is a simulated response plot. Actual performance might differ.

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