



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

# 1250 MHz Cavity Band Pass Filter

**Part Number: AE1250B12012**



## Electrical Specifications

**Center Frequency:** 1250 MHz  
**Passband:** 1100 – 1400 MHz  
**Insertion Loss:** 1.0 dB Max.  
**Return Loss:** 14 dB Min  
**Rejection:** 40 dB Min @ 950 MHz  
**Rejection:** 40 dB Min @ 1600 MHz  
**Impedance:** 50 Ohms In/Out  
**Power Handling:** 50 W CW

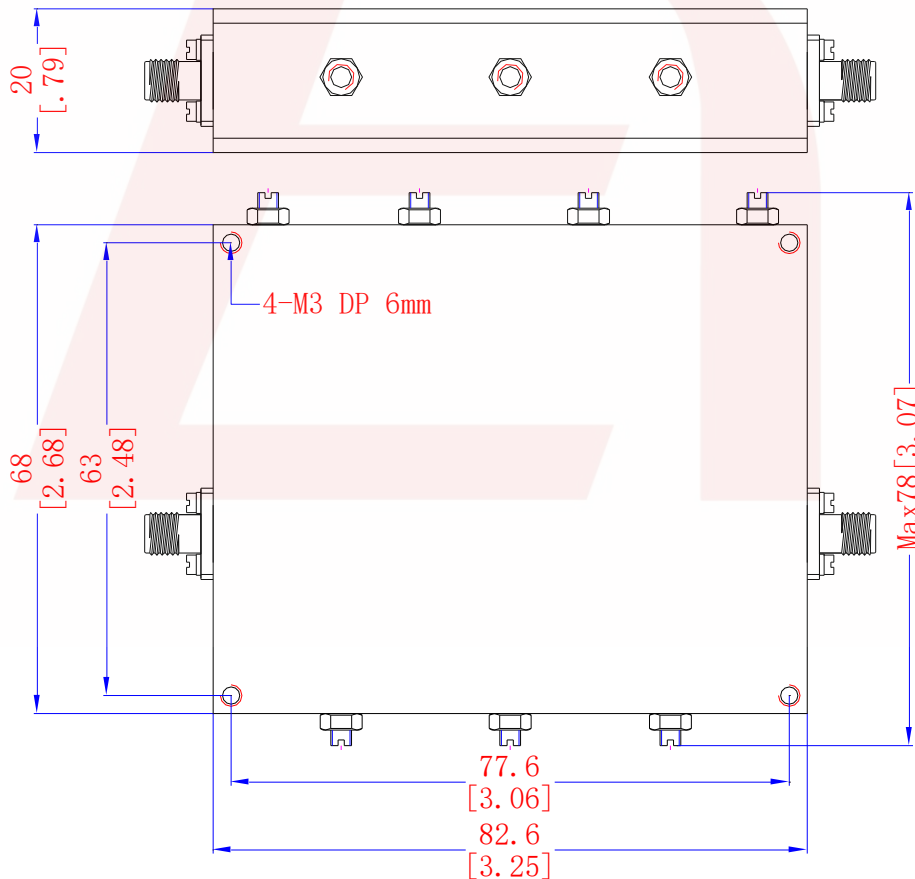
## Mechanical

**Connector Type:** SMA Female  
**Dimensions :** 3.25 x 3.07 x 0.79 in.  
 82.6 x 78 x 20mm

## Environmental

**Operating Temperature:** -40°C to +70°C  
**Storage Temperature:** -55°C to +85°C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200Hz

## Outline Drawing:



Outline Tolerances  $\pm 0.3$  (0.012)

\*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

\*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

DS-B12012-05102023-Rev0

**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)**