



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

6975 MHz Cavity Band Pass Filter

Part Number: AE6975B11911



Electrical Specifications

Center Frequency: 6975 MHz
Pass Band: 6925 – 7025 MHz
Insertion Loss : 2.0 dB Max.
Return Loss : 15 dB Min
Rejection1: 50 dB Min @ 6725 MHz
Rejection2: 50 dB Min @ 7225 MHz
Power Handling: 50 Watts
Impedance : 50 Ohms

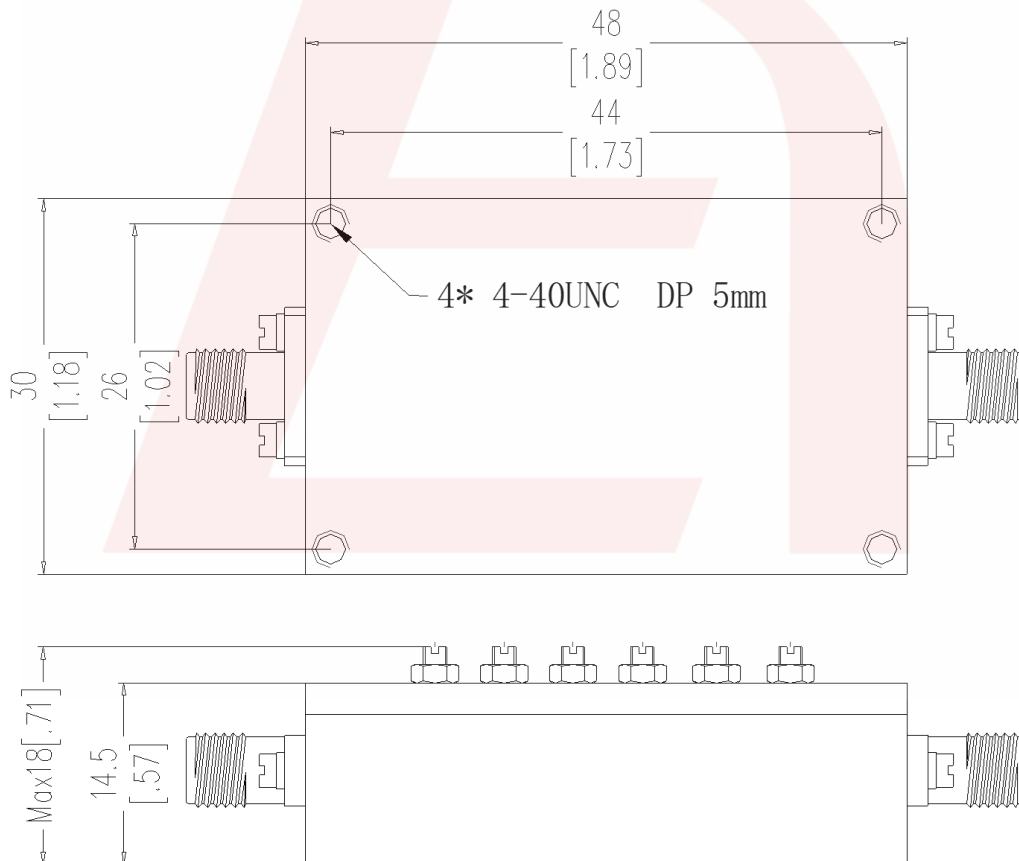
Mechanical

Mounting Method: 4-40 Threaded Mounting
Connector Type: SMA Female
Dimensions (in): 1.89" X 1.18" x 0.71"
Dimensions (mm): 48 x 30 x 18

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:



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.

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

Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com



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Simulated Response Plot:

