



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1780 MHz Cavity Bandpass Filter

Part Number: AB1780B1205



Electrical specifications

Center Frequency: 1780 MHz

Bandwidth: 115 MHz

Input / Output Impedance: 50 Ohms

Passband: 1710-1825 MHz

Passband Insertion Loss: <1.0 dB

Passband Ripple: <0.2 dB

Passband Return Loss: >18 dB

Rejection: (1850-1985 MHz): >43 dB

Power Handling: <40 W

Peak Power Handling: <1.4 KW

IMD3 @ 1615MHz: -100 dBm @2x 43 dBm

IMD5 @ 1505MHz: -110 dBm @2x 43 dBm

Lightning Protection: 10 KA

IP66 Compliant

Mechanical

Mounting Method: Threaded Mounting Holes

Connector Type: Type N Female

Dimensions: 6.772" x 5" x 1.732" (max)
(172mm x 127mm x 44mm)

Environmental

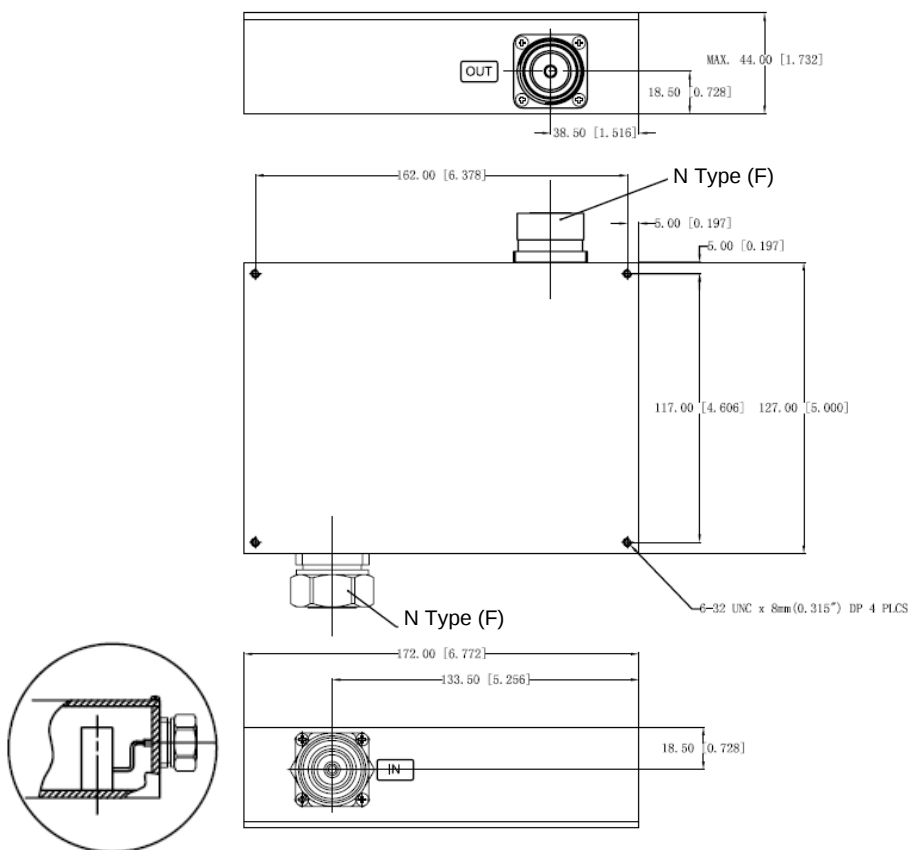
Operating Temperature: 10 to 50 deg.C

Storage Temperature: -55 to +95 deg.C

Shock: 20 G. 11ms

Vibration: 20 G. 5 to 200 MHz

Outline Drawing:





ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1780 MHz Cavity Bandpass Filter with External Deployment

Part Number: AB1780B716



Response Plot:

