



1780 MHz Cavity Bandpass Filter



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

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

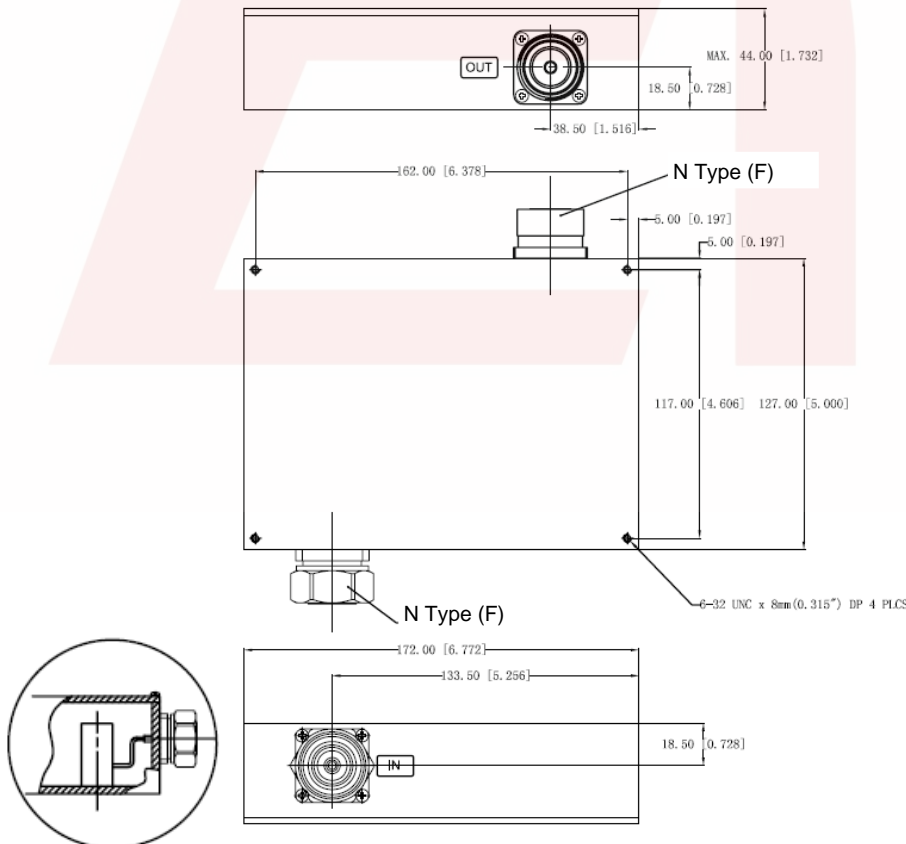
Mechanical

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 Hz

Outline Drawing:



DS-B1205-03152018-Rev0



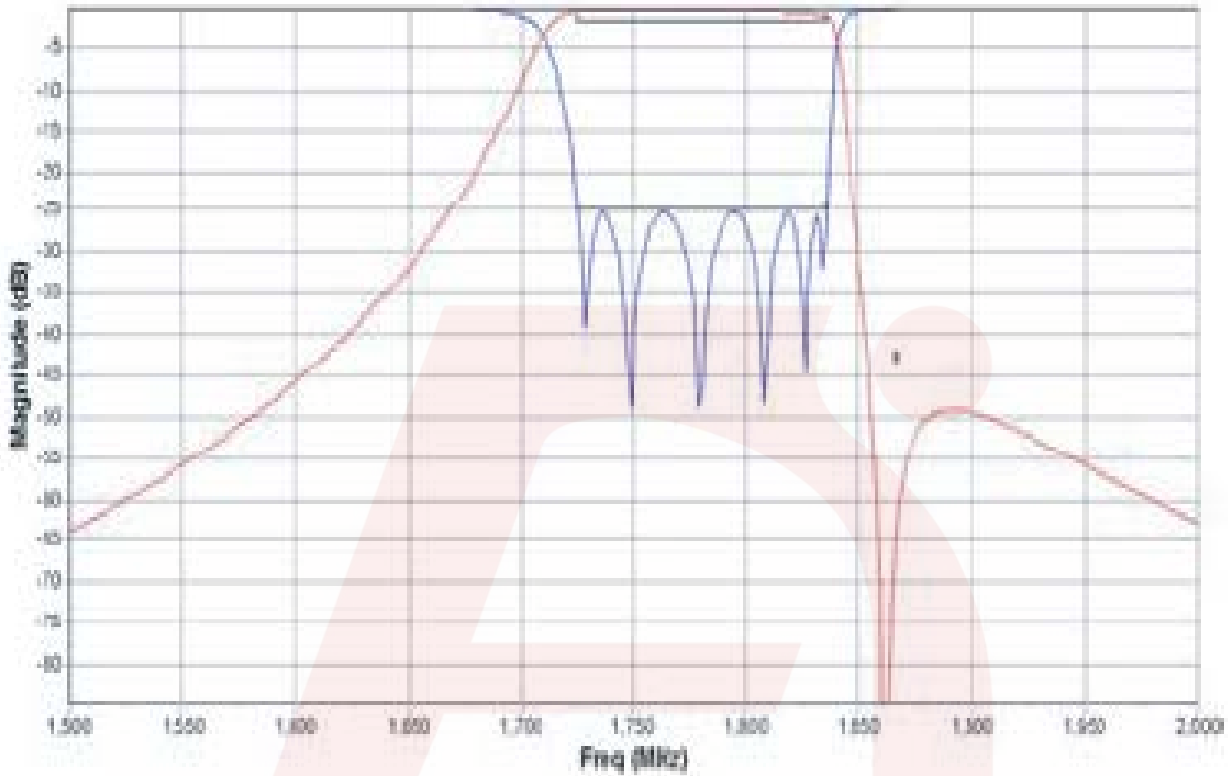
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1780 MHz Cavity Bandpass Filter with External Deployment

Part Number: AB1780B716



Response Plot:



DS-B1205-03152018-Rev0