



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1245 MHz Cavity Bandpass Filter

Part Number: AE1245B4765



Electrical Specifications

Center Frequency: 1245 MHz
Bandwidth: 8 MHz
Passband : 1241 MHz to 1249 MHz
Ripple: 0.5dB @ 1241 MHz to 1249 MHz
Rejection: >50dB @ 1270 MHz to 2500 MHz
Impedance: 50 Ohms
Power Handling: <1 Watt

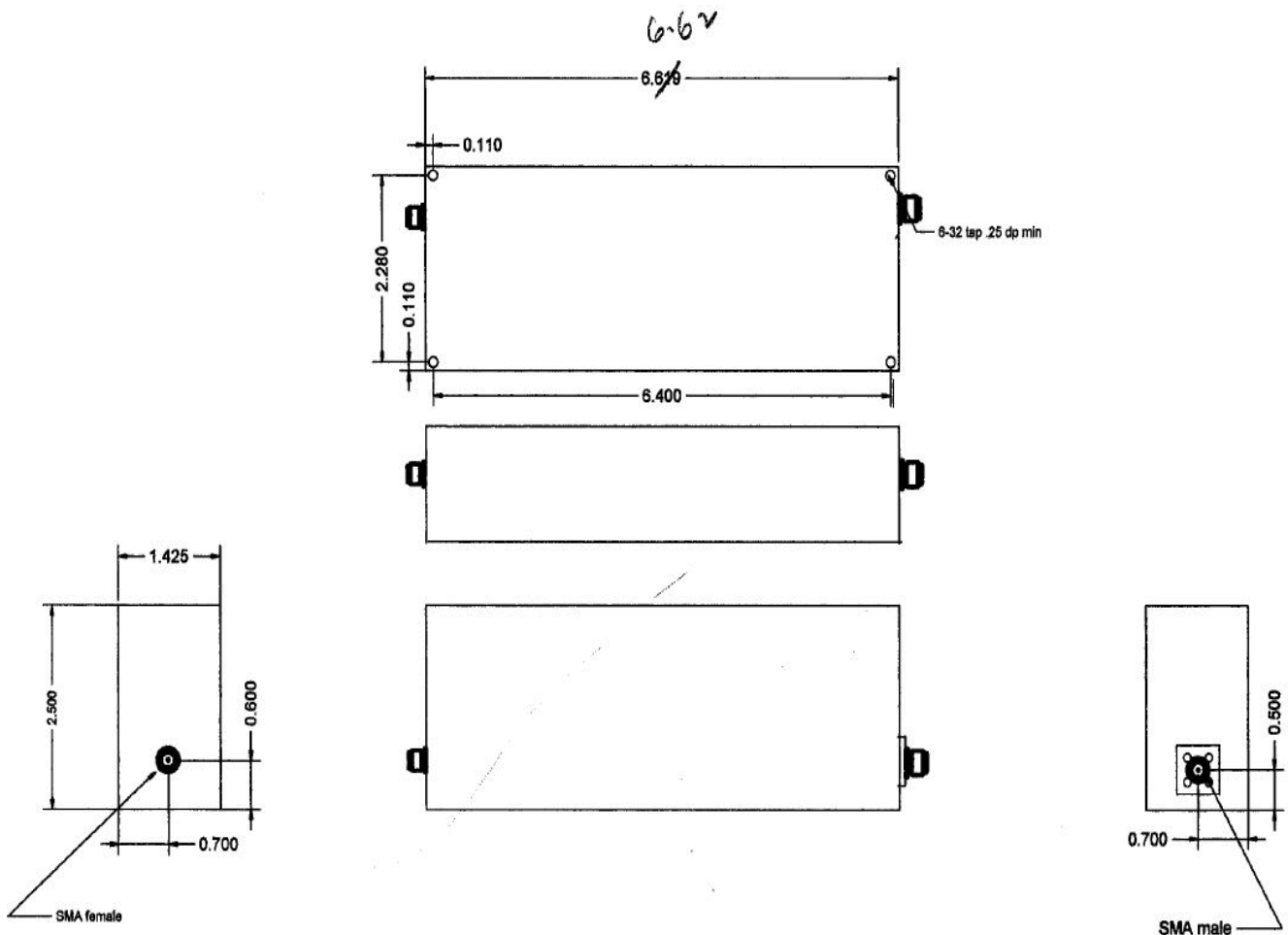
Mechanical

Mounting Method: Threaded Mounting Holes
Connector Type: SMA(F) & SMA(M)
Dimensions: 6.62" X 2.5" x 1.425" in.

Environmental

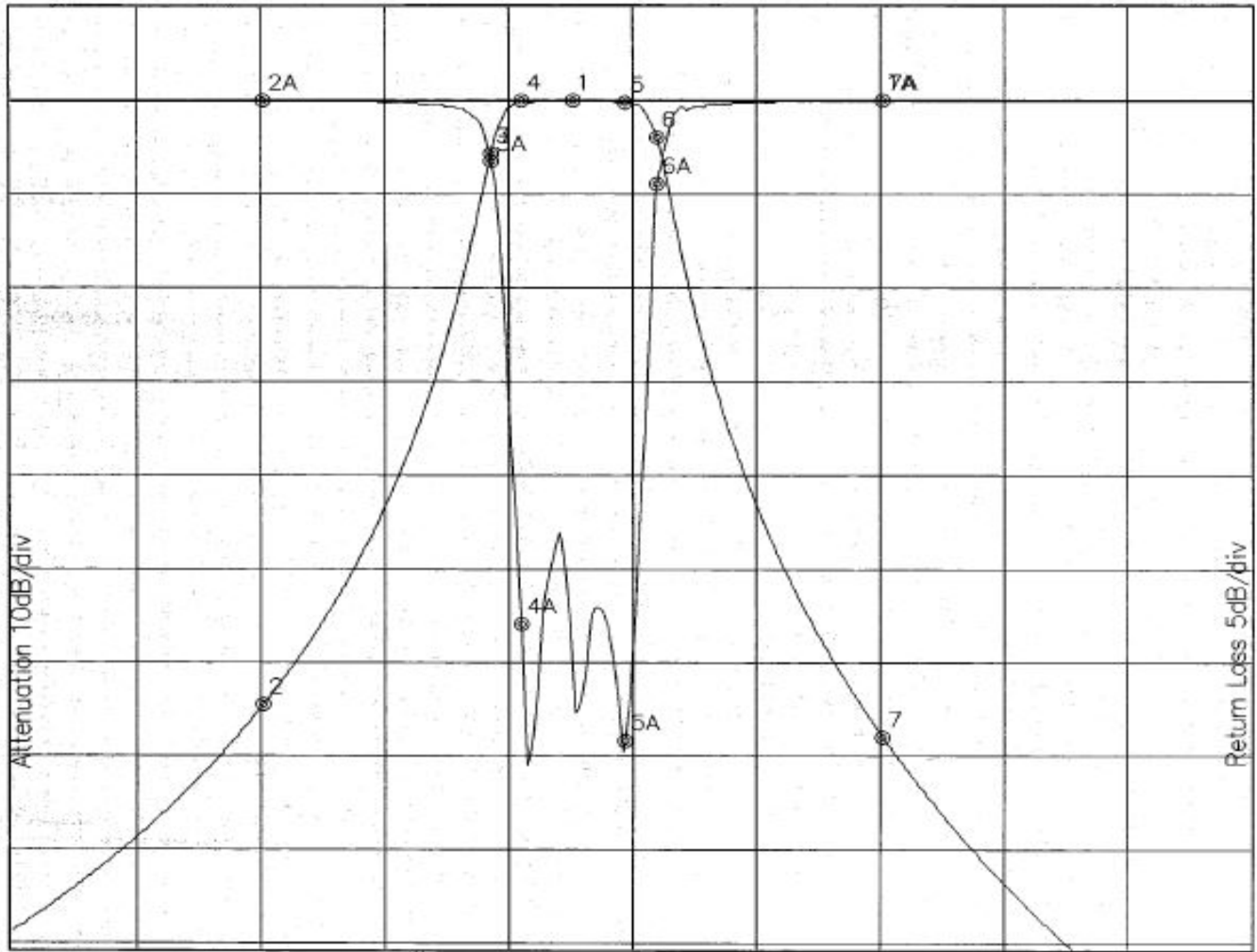
Operating Temperature: -25°C to +70°C
Storage Temperature: -40°C to +90°C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 200Hz

Outline Drawing:





Response Plot:



Attenuation Start: 1.20GHz Stop: 1.30GHz

Return Loss Start: 1.20GHz Stop: 1.30GHz

Offset -0.8695dB

- Marker 1 Freq 1.245GHz Atten -0.015dB
- Marker 2 Freq 1.220GHz Atten -64.630dB
- Marker 3 Freq 1.238GHz Atten -5.703dB
- Marker 4 Freq 1.241GHz Atten -0.002dB
- Marker 5 Freq 1.249GHz Atten -0.193dB
- Marker 6 Freq 1.252GHz Atten -3.956dB
- Marker 7 Freq 1.270GHz Atten -67.991dB

- Marker 1A Freq 1.270GHz Ret Loss 0.000dB
- Marker 2A Freq 1.220GHz Ret Loss 0.000dB
- Marker 3A Freq 1.238GHz Ret Loss -3.270dB
- Marker 4A Freq 1.241GHz Ret Loss -27.900dB
- Marker 5A Freq 1.249GHz Ret Loss -34.212dB
- Marker 6A Freq 1.252GHz Ret Loss -4.484dB
- Marker 7A Freq 1.270GHz Ret Loss 0.000dB