



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

300 MHz LC Band Pass Filter

Part Number: AE300B6356



Electrical Specifications

Center Frequency: 300 MHz
3.0dB Bandwidth: 80 MHz Min.
Insertion Loss: 0.5dB Max.
Return Loss: 14dB Min.
Rejection: $\geq 40\text{dB}$ @ 100 MHz
Rejection2: $\geq 80\text{dB}$ @ 360-440 MHz

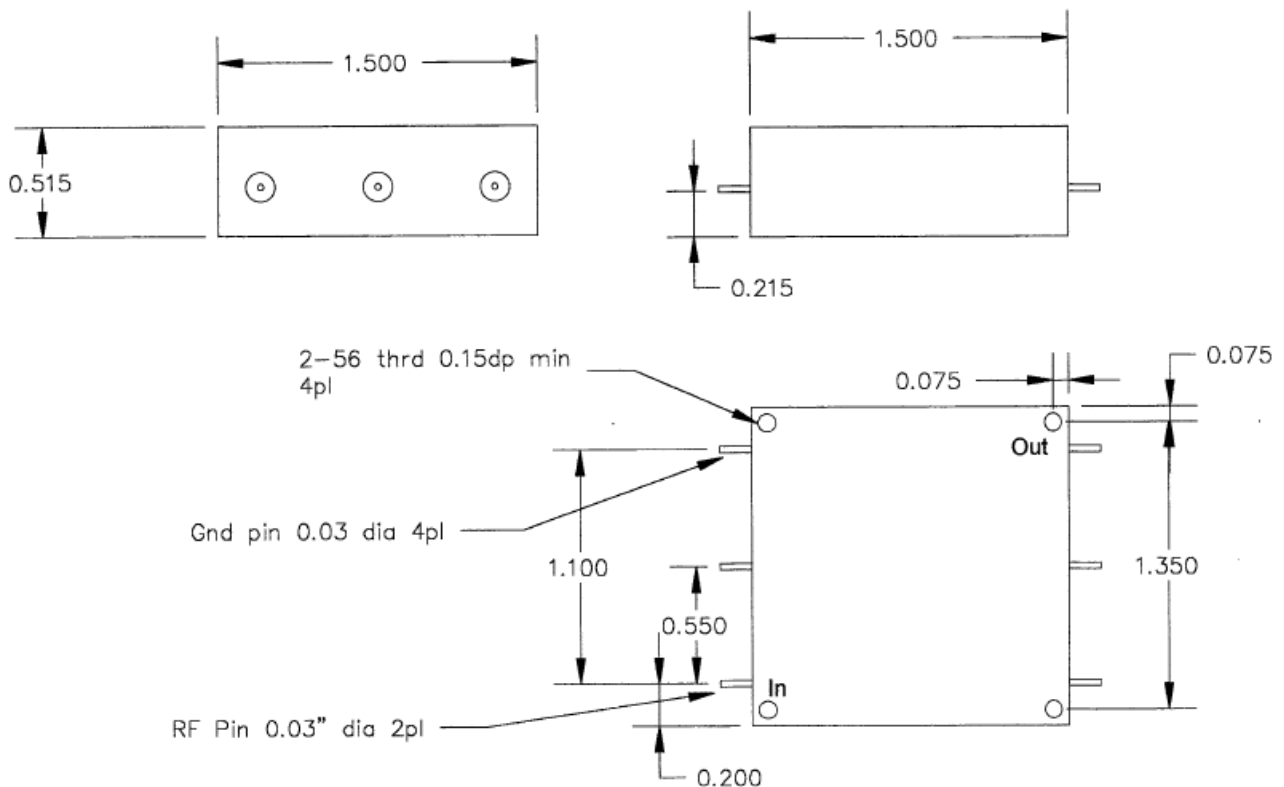
Mechanical

Mounting Method: Threaded Mounting Holes
Connector Type: Drop-in
Dimensions: 1.5" X 1.5" x 0.515"

Environmental

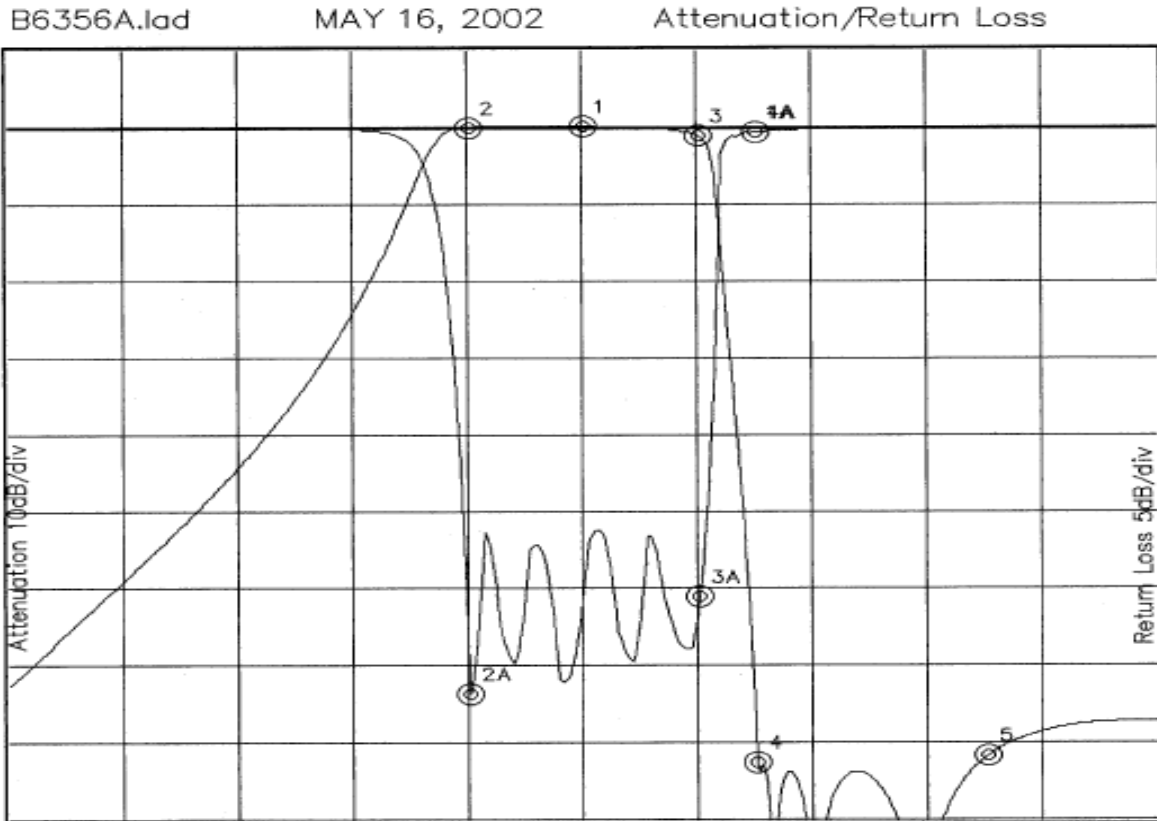
Operating Temperature: -25°C to $+70^{\circ}\text{C}$
Storage Temperature: -40°C to $+90^{\circ}\text{C}$
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:





Response Plot:



Attenuation Start: 100.0MHz Stop: 500.0MHz Return Loss Start: 100.0MHz Stop: 500.0MHz

Offset -0.6521dB

Marker 1 Freq 300.32MHz Atten 0.134dB
Marker 2 Freq 260.25MHz Atten 0.084dB
Marker 3 Freq 340.38MHz Atten -1.193dB
Marker 4 Freq 360.42MHz Atten -82.990dB
Marker 5 Freq 440.54MHz Atten -82.243dB

Marker 1A Freq 360.42MHz Ret Loss -0.329dB
Marker 2A Freq 260.25MHz Ret Loss -37.044dB
Marker 3A Freq 340.38MHz Ret Loss -30.797dB
Marker 4A Freq 360.42MHz Ret Loss -0.329dB