



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

455 MHz LC Band Pass Filter

Part Number: AE455B11272



Electrical Specifications

Center Frequency: 455 MHz
3dB Pass Band: 450-460 MHz Max
Insertion Loss: 5.75 dB Max at 455 MHz
Return Loss: 14 dB Min
Ripple: 0.2 dB; Goal 0.05dB
Stopbands: 20 dB @ 446 & 465MHz
Stopbands: 30 dB @ 445 & 468 MHz
Stopbands: 40 dB @ 440 & 475 MHz
Stopbands: 50 dB @ 435 & 480 MHz
Stopbands: 60 dB @ 430 & 485 MHz

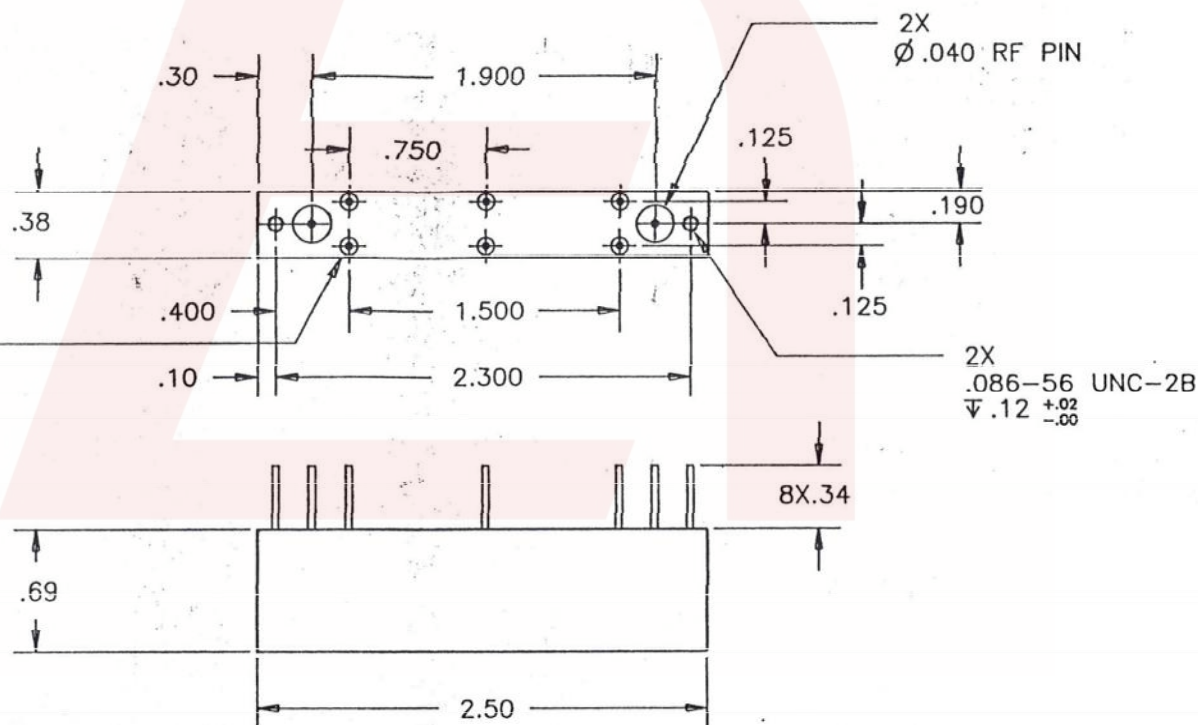
Mechanical

Mounting Method: Threaded Hole
Connector Type: RF Pins
Dimensions: 2.50 x 0.38 x 0.69 in

Environmental

Operating Temperature: -30°C to +85°C
Storage Temperature: -40°C to +95°C
Shock: 10 G. 11 ms
Vibration: 10 G. 5 to 2000Hz

Outline Drawing:



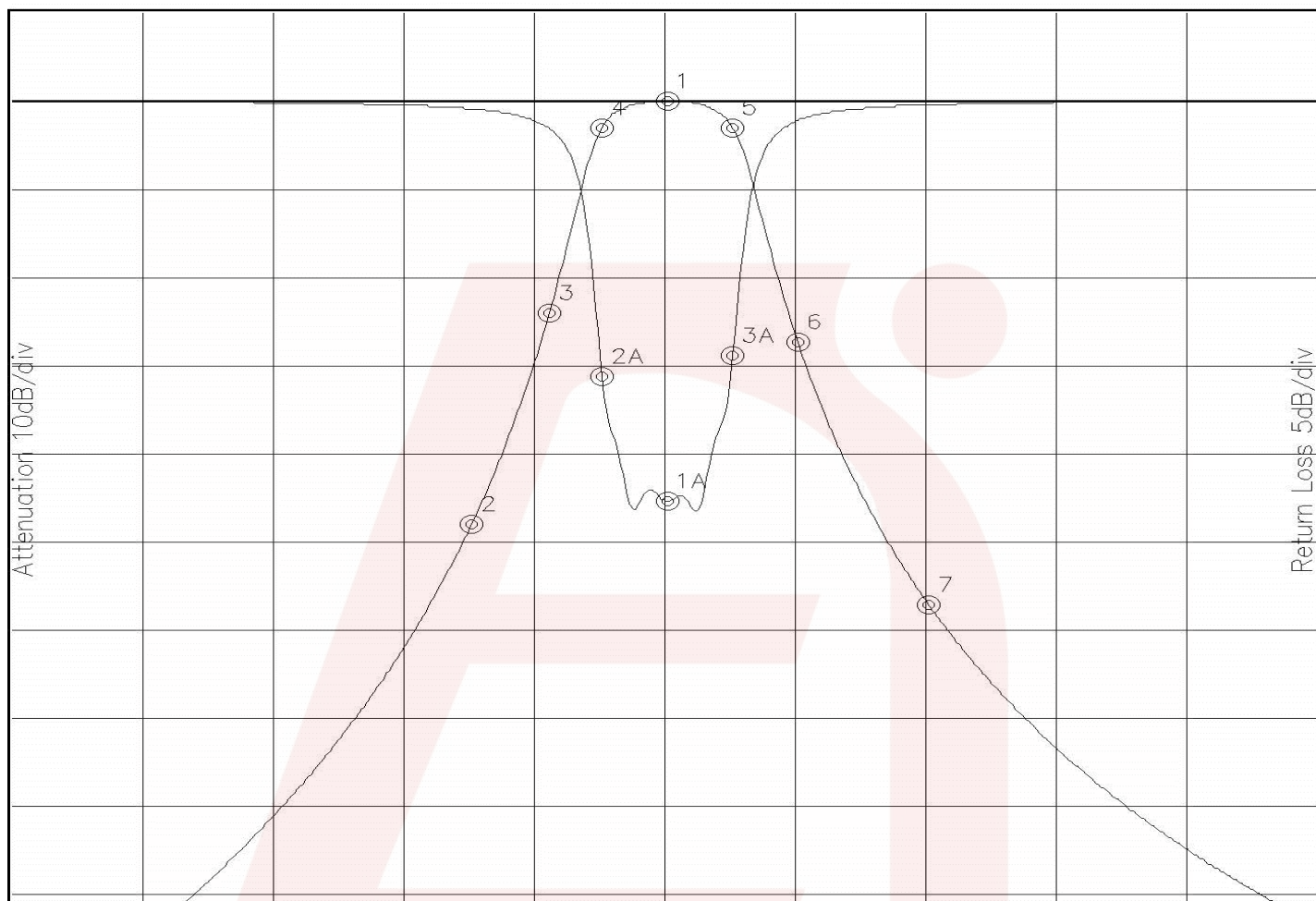
DS-B11272-12152015-Rev0

Response Plot:

A508.lad

DEC 10, 2015

Attenuation/Return Loss



Attenuation Start: 405.0MHz Stop: 505.0MHz

Return Loss Start: 405.0MHz Stop: 505.0MHz

Offset -5.2173dB

Marker 1 Freq 455.08MHz Atten 0.080dB
Marker 2 Freq 440.05MHz Atten -47.825dB
Marker 3 Freq 446.03MHz Atten -23.807dB
Marker 4 Freq 450.07MHz Atten -3.017dB
Marker 5 Freq 460.08MHz Atten -3.084dB
Marker 6 Freq 465.09MHz Atten -27.205dB
Marker 7 Freq 475.11MHz Atten -56.857dB

Marker 1A Freq 455.08MHz Ret Loss -22.625dB
Marker 2A Freq 450.07MHz Ret Loss -15.588dB
Marker 3A Freq 460.08MHz Ret Loss -14.377dB