



# 420 MHz LC Band Pass Filter

Part Number: AE420B11180



## Electrical Specifications

**Center Frequency:** 420 MHz  
**3dB Bandwidth:** 32 MHz  
**Passband:** 404-436 MHz  
**Insertion Loss:** 3.0 dB Max @ 420 MHz  
**VSWR (In and Out):** 1.25:1 Max @ 420 MHz  
**Stopbands:** >40 dB @ 380 and 475 MHz  
                   >60 dB @ 350 and 515 MHz  
                   >20 dB @ 390 and 490 MHz

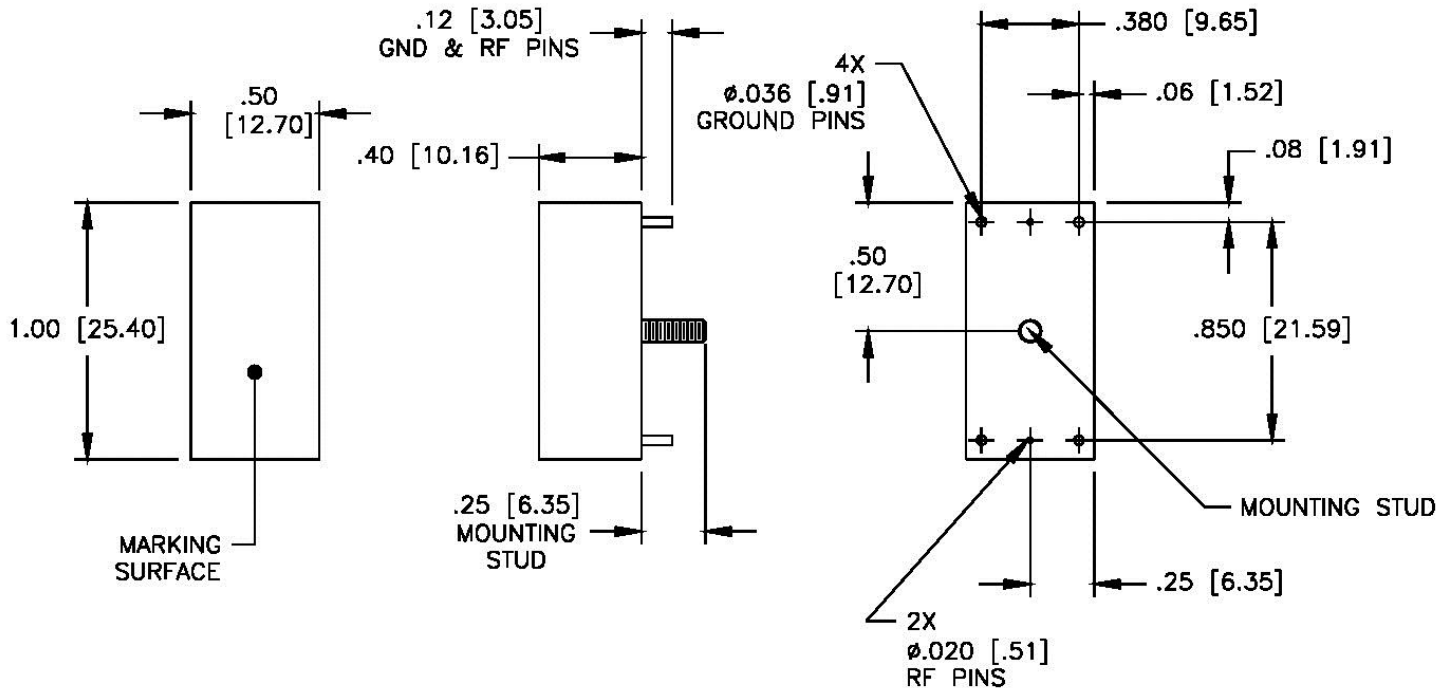
## Mechanical

**Connector Type:** RF Pins  
**Dimensions:** 1.00 x 0.50 x 0.40 Inches

## Environmental

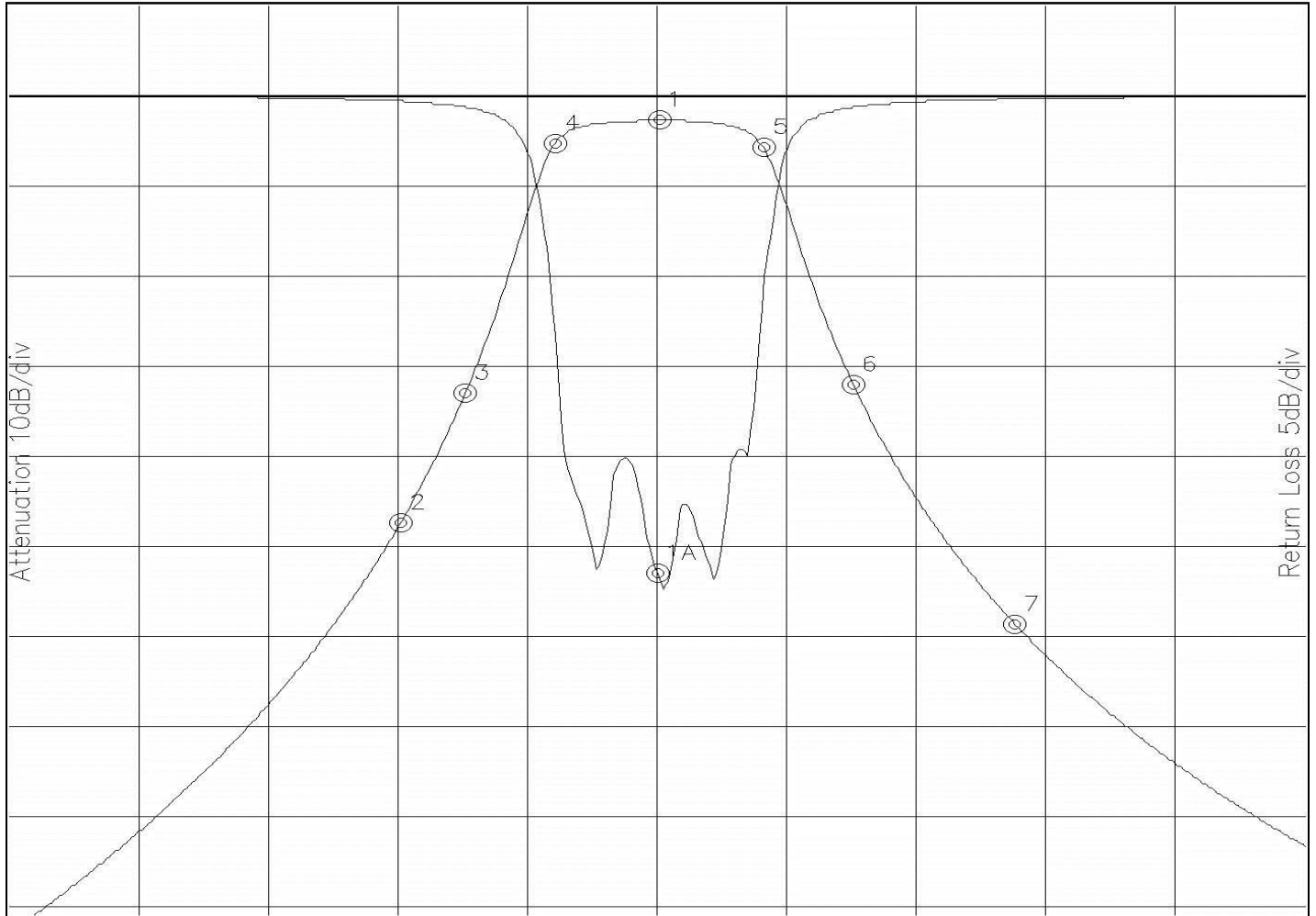
**Operating Temperature:** -20 to +70° C  
**Storage Temperature:** -45 to +85° C

## Outline Drawing:





### Response Plot:



Attenuation Start: 320.0MHz Stop: 520.0MHz

Return Loss Start: 320.0MHz Stop: 520.0MHz

- Marker 1 Freq 420.16MHz Atten -2.655dB
- Marker 2 Freq 380.09MHz Atten -47.277dB
- Marker 3 Freq 390.11MHz Atten -32.910dB
- Marker 4 Freq 404.00MHz Atten -5.159dB
- Marker 5 Freq 436.31MHz Atten -5.757dB
- Marker 6 Freq 450.21MHz Atten -32.026dB
- Marker 7 Freq 475.08MHz Atten -58.393dB

Marker 1A Freq 419.83MHz Ret Loss -26.406dB

**Note:** This is a simulation plot. Actual results may differ once the product is implemented.