



# 3300 MHz Band Pass Filter

**Part Number: AE3300B10367**



## Electrical specifications

**Center Frequency (CF):** 3300 MHz  
**Relative Bandwidth (1 dBc):** 405 MHz min  
**Relative Bandwidth (3 dBc):** 410 MHz nominal  
**Ripple in Passband:** 0.5 dB (max)  
**Insertion loss @ CF:** 1 dB (max)  
**Return loss @ CF:** 14 dB (max)  
**Rejection (at CF +/- 600 MHz):** 40 dB (min)

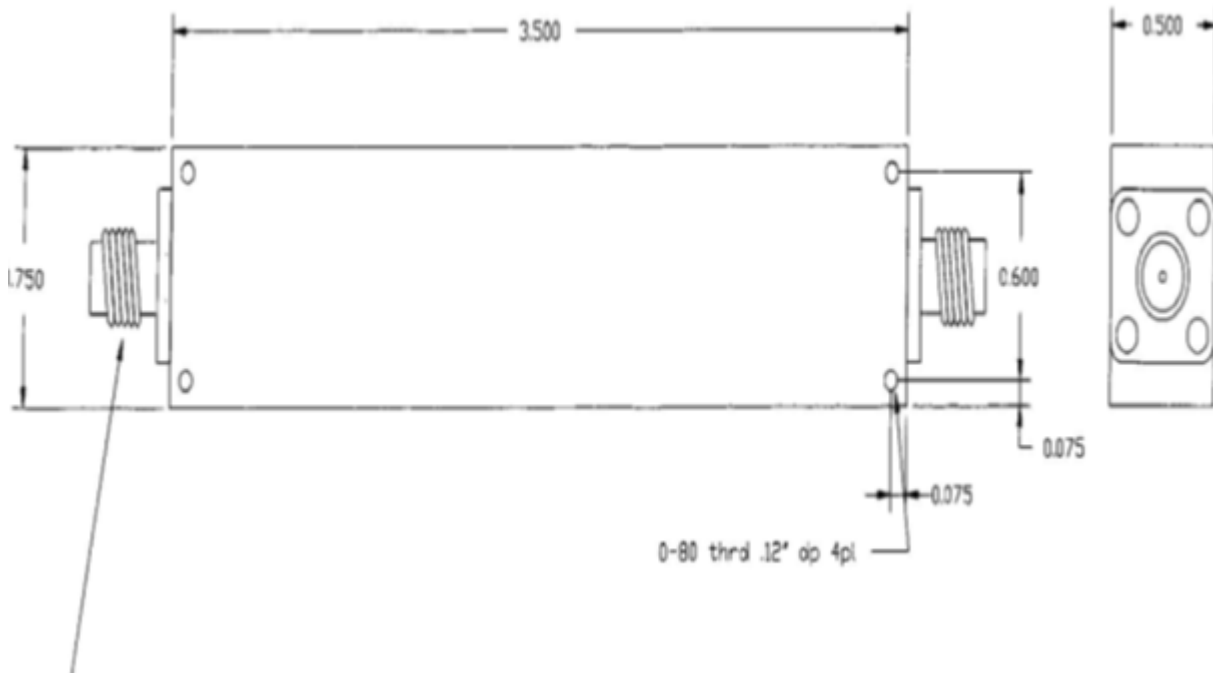
## Mechanical

**Mounting Method:** Threaded Holes  
**Connector Type:** SMA (F)  
**Dimensions:** 3.50 x 0.75 x 0.50 Inches

## Environmental

**Operating Temperature:** -55 to +85° C  
**Humidity:** Up to 95%  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200Hz

## Outline Drawing:



2 decimal places: +/-0.01 inches [ +/- 0.3mm]  
 3 decimal places: +/- 0.005 inches [ +/- 0.13mm]  
 Angles: +/- 1 Deg.

When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

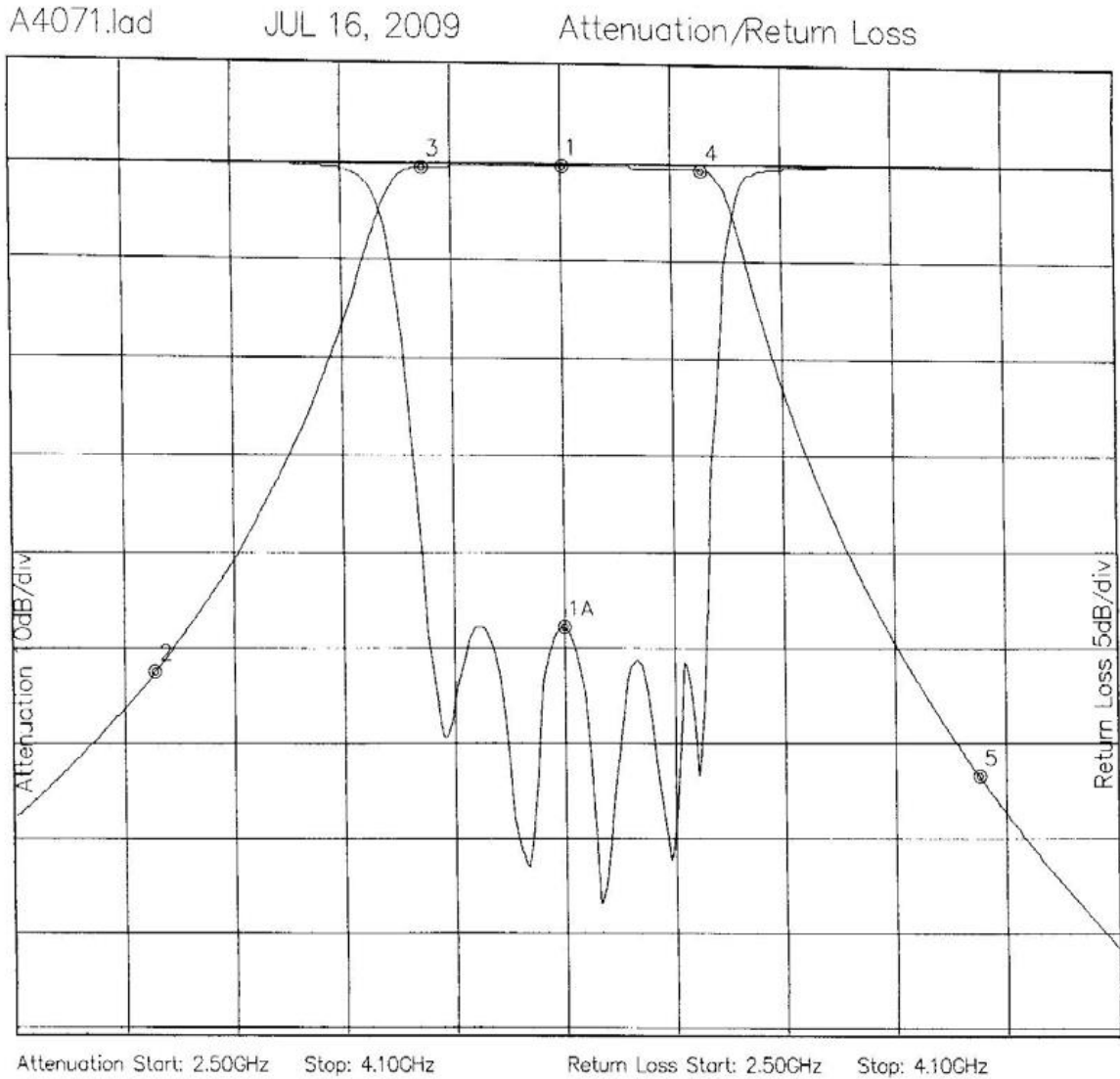


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### Simulated Plot :



Marker 1 Freq 3.301GHz Atten -0.296dB	Marker 1A Freq 3.299GHz Ret Loss -23.960dB
Marker 2 Freq 2.702GHz Atten -52.484dB	
Marker 3 Freq 3.097GHz Atten -0.380dB	
Marker 4 Freq 3.503GHz Atten -0.563dB	
Marker 5 Freq 3.901GHz Atten -63.581dB	

Note: This is a simulated response plot. Actual performance might differ.