



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

## 720 MHz LC Band Pass Filter

Part Number: AE720B11615



### Electrical Specifications

**Center Frequency:** 720 MHz  
**Bandwidth:** 70 MHz Min.  
**Insertion Loss:** 1.0dB Max @ 720 MHz  
**Rejection1:**  $\geq 50\text{dB}$  @ 580 MHz  
**Rejection2:**  $\geq 50\text{dB}$  @ 860 MHz

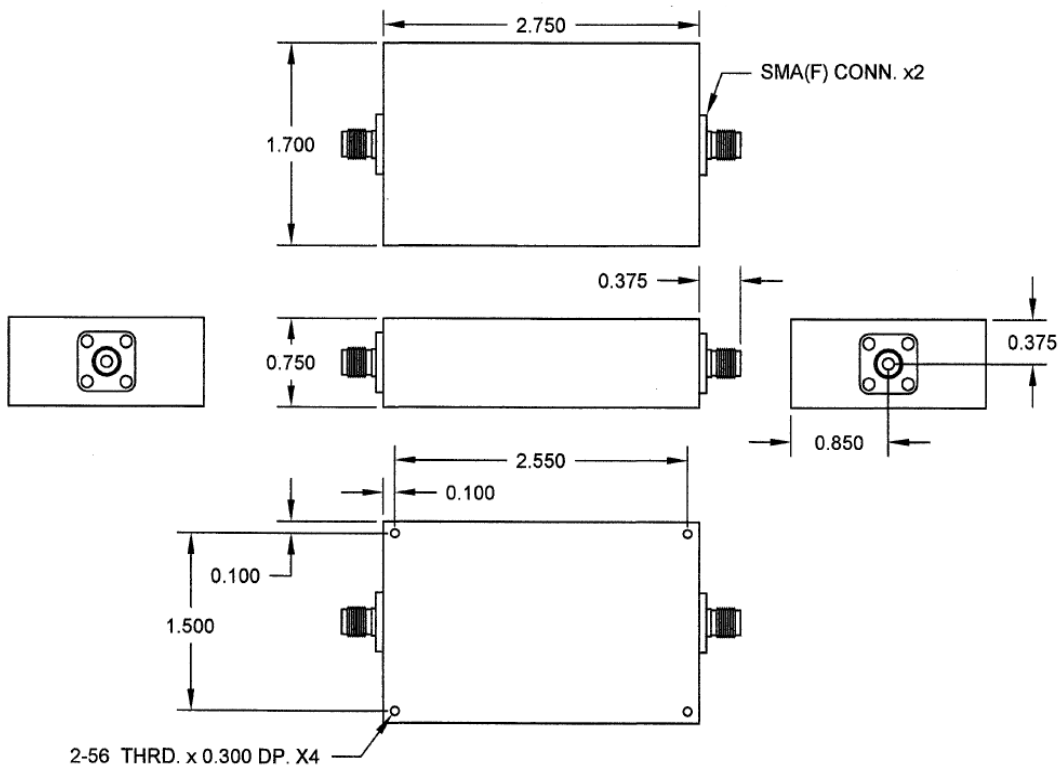
### Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 2.75" X 1.7" x 0.75" .

### Environmental

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

### Outline Drawing:





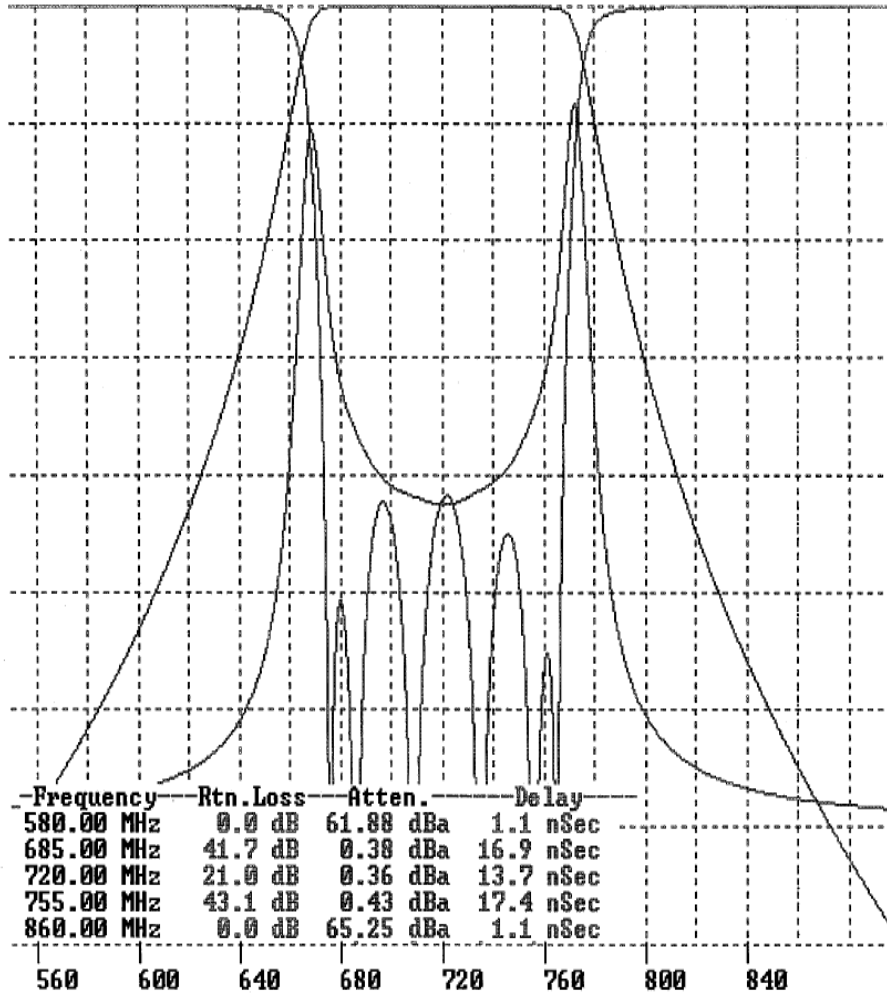
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 720 MHz LC Band Pass Filter

Part Number: AE720B11615



## Response Plot:



From 550 MHz  
To 900 MHz  
Marker = 859.981

Atten. 10.000 dB/div.  
Ref= 0.327341  
65.245 dB  
64.918 dB (Rel.)  
Rtn. loss 5 dB/div.  
ref= 0  
0.031 dB  
Delay 5.0 nSec/div.  
ref= 35  
1.130 nSec

3.0 dB Bw 107.17 MHz

File: 720MHzBP Ql=150 Qc=1500 Qt=914 User: wdecormier