



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

500 MHz LC Band Pass Filter

Part Number: AE500B6350



Electrical Specifications

Center Frequency: 500 MHz
Passband: 478-522 MHz
Insertion Loss: 3.0dB Max.
Return Loss: 14dB Min.
Ripple: 0.1dB Max.
Rejection: ≥ 35 dB @ 0-437 MHz
Rejection2: ≥ 35 dB @ 562-1300 MHz

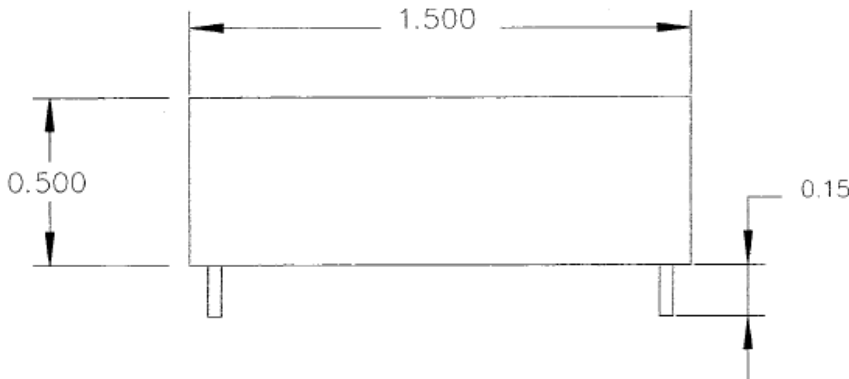
Mechanical

Connector Type: PC-Mount
Dimensions: 1.5" X 0.75" x 0.5" .

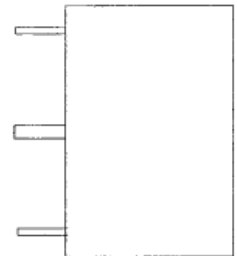
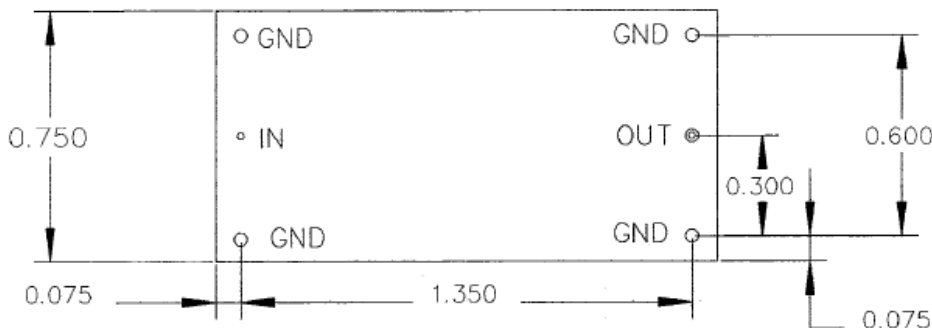
Environmental

Operating Temperature: -25°C to +70°C
Storage Temperature: -40°C to +90°C
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:

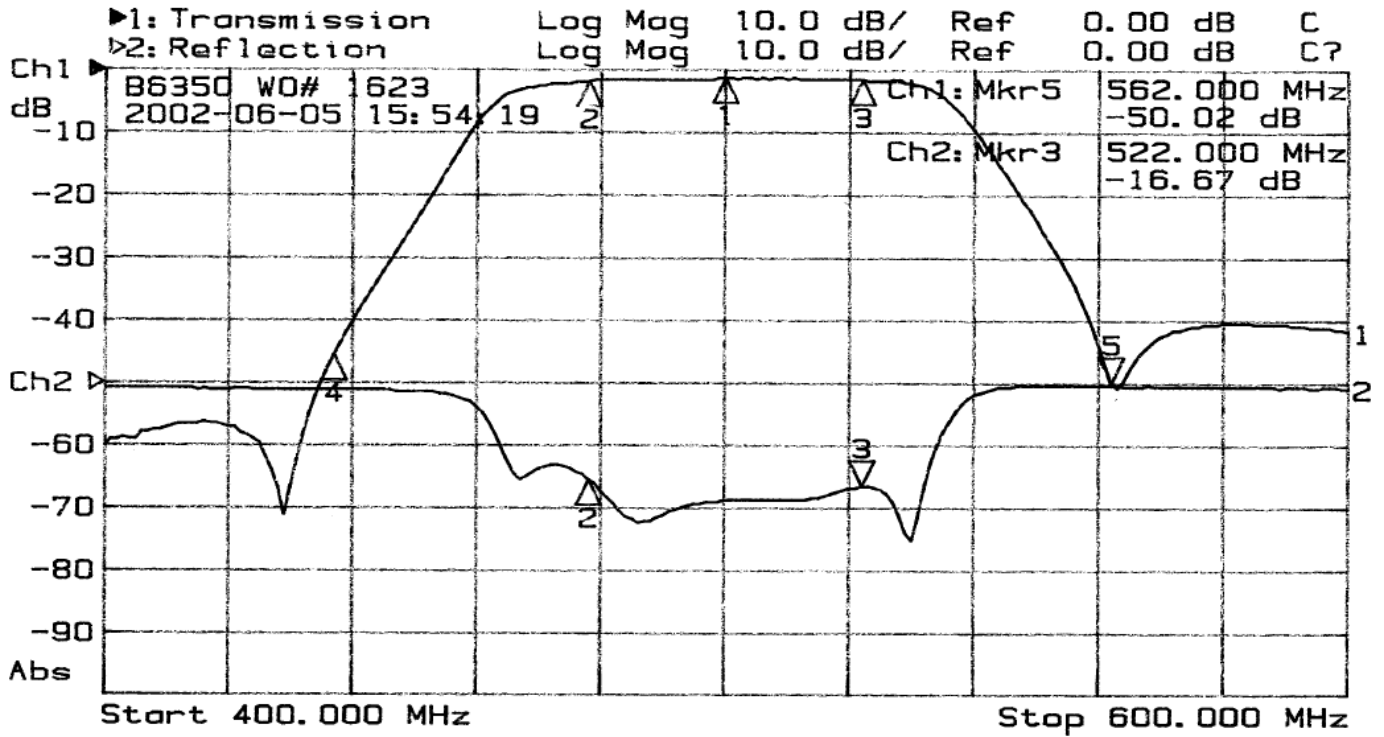


IN/OUT pin 0.02" dia, GND pin 0.04" dia





Response Plot:



| 1: Mkr (MHz) | dB | 2: Mkr (MHz) | dB |
|--------------|--------|--------------|--------|
| 1: 500.00 | -1.39 | | |
| 2: 478.00 | -1.83 | 2: 478.00 | -15.57 |
| 3: 522.00 | -1.69 | 3> 522.00 | -16.67 |
| 4: 437.00 | -45.59 | | |
| 5> 562.00 | -50.02 | | |