



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

## 380 MHz LC Bandpass Filter

Part Number: AE380B7105



### Electrical Specifications

**Center Frequency:** 380 MHz  
**Bandwidth:** 50 MHz  
**Passband :** 355 to 405 MHz  
**Insertion Loss:**  $\leq 2$ dB  
**Return Loss:**  $> 14$ dB  
**Ripple:**  $< 0.1$ dB  
**Rejection:**  $> 50$ dB @ @ 0-330 MHz  
**Rejection2:**  $> 50$ dB @ 430-1000 MHz  
**Impedance:** 50 Ohms

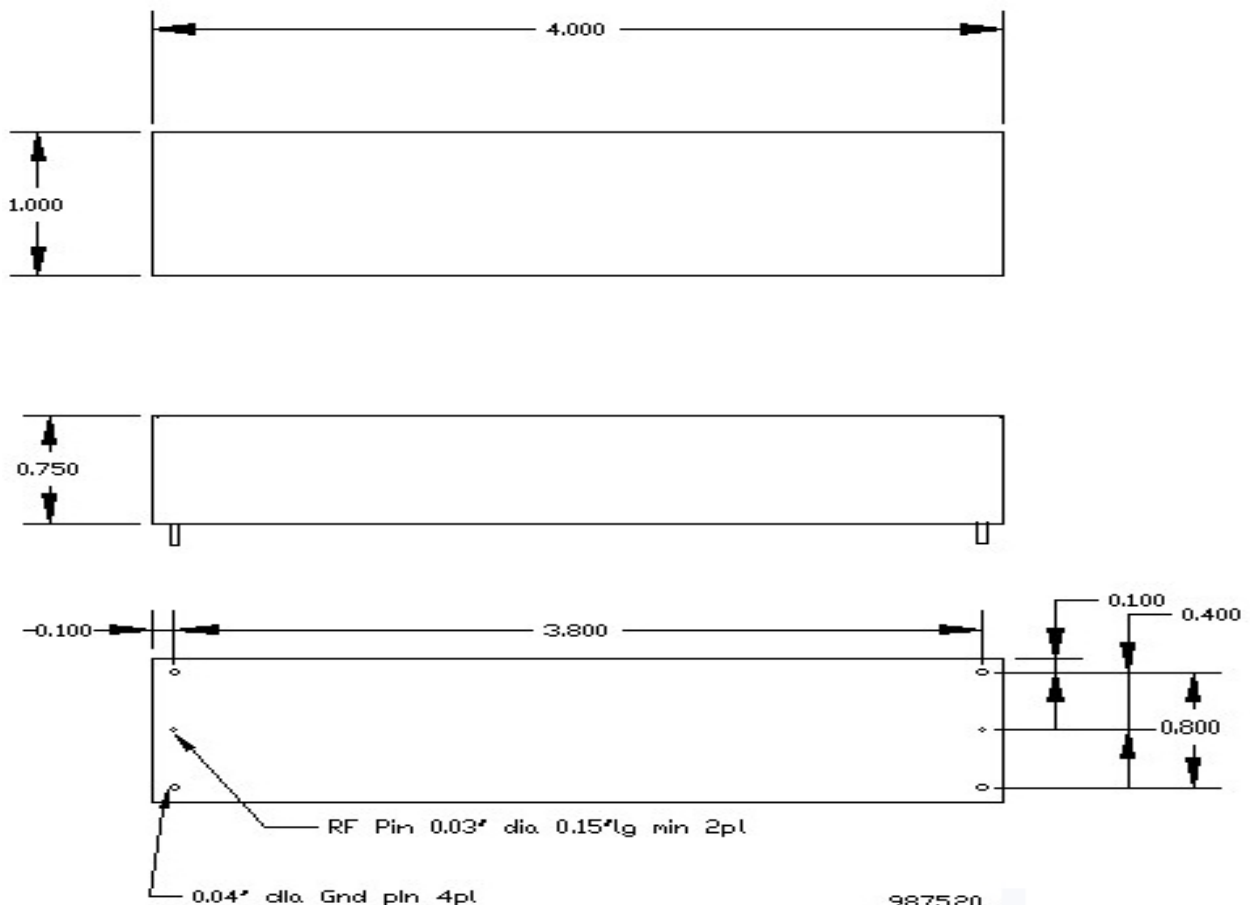
### Mechanical

**Connector Type:** PC-Mount  
**Dimensions:** 4.0" x 1.0" x 0.75" in.

### Environmental

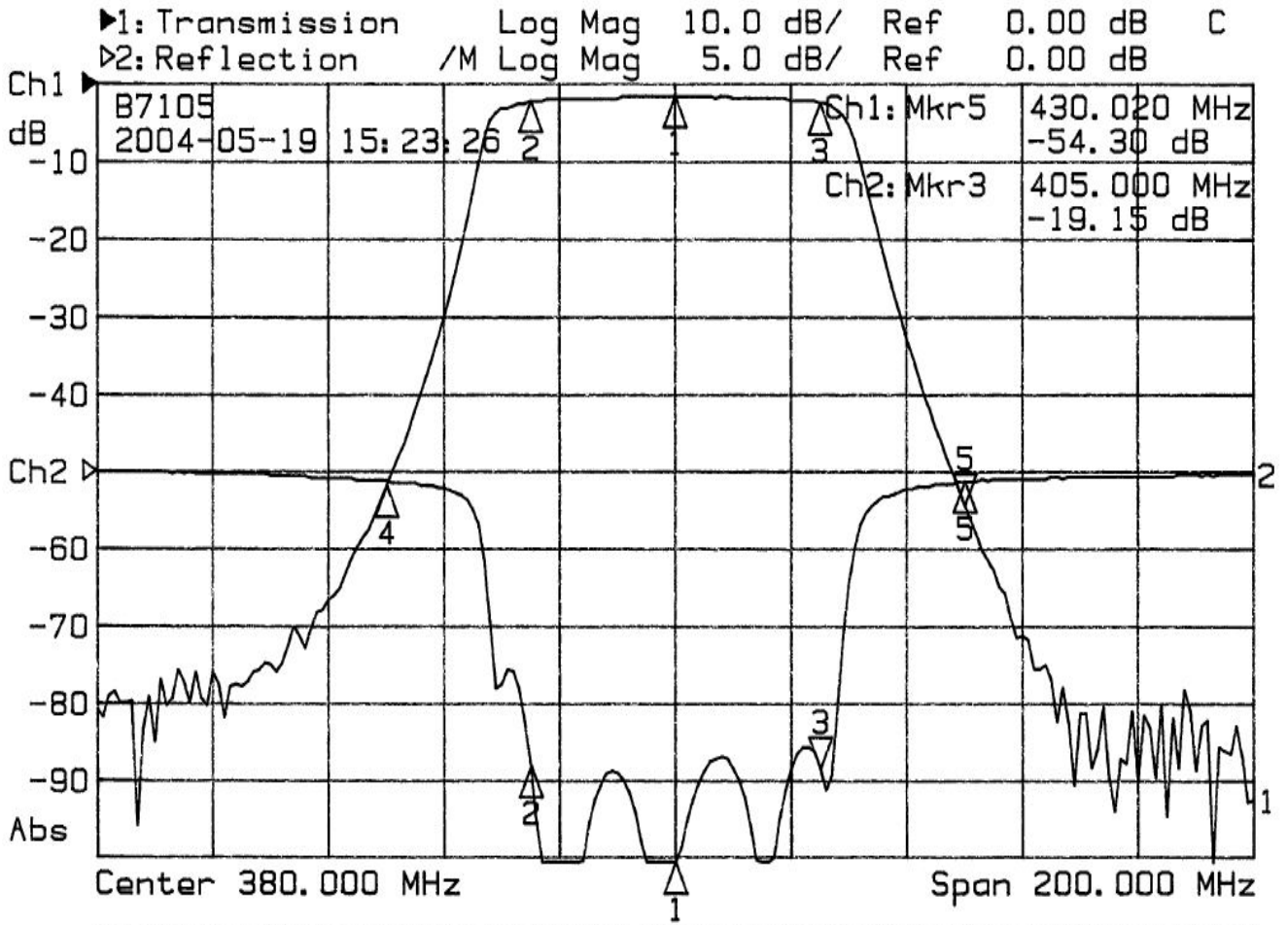
**Operating Temperature:**  $-25^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$   
**Storage Temperature:**  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$   
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:





**Response Plot:**



| 1: Mkr (MHz) | dB     | 2: Mkr (MHz) | dB     |
|--------------|--------|--------------|--------|
| 1: 380.00    | -1.64  | 1: 380.00    | -27.15 |
| 2: 355.00    | -2.25  | 2: 355.00    | -19.13 |
| 3: 405.00    | -2.43  | 3> 405.00    | -19.15 |
| 4: 330.00    | -51.90 |              |        |
| 5> 430.02    | -54.30 | 5: 430.02    | -0.68  |