



**Electrical specifications**

**Center Frequency:** 1575 MHz  
**Bandwidth:** 4 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 1573.42–1577.42 MHz  
**Passband Insertion Loss:** 1573.42–1577.42 MHz 1.5dB  
**Passband Ripple:** 1573.42–1577.42 MHz 0.5 dB max  
**Passband Return Loss:** 1573.42–1577.42 MHz 11 dB  
**Rejection:** 824–849 MHz 50 dB min  
**Rejection 2:** 1850–1910 MHz 45 dB min  
**Rejection 3:** 1710–1785 MHz 20 dB min  
**Rejection 4:** 2400–2484 MHz 20 dB min  
**Power Handling:** 1 W

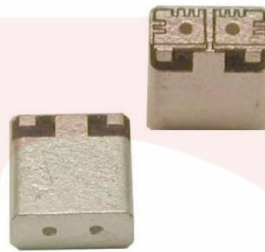
**Mechanical**

**Mounting Method:** SMT  
**Dimensions:** 4.2 x 4 x 2 mm

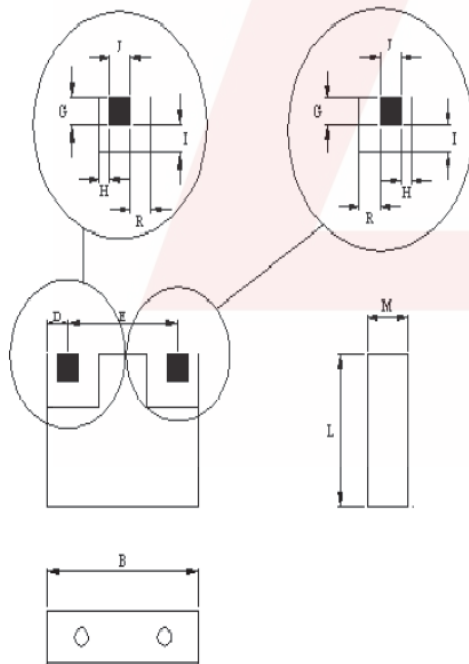
**Environmental**

**Operating Temperature:** -40°C to +85°C  
**Storage Temperature:** -50°C to +90°C

This product is RoHs compliant.



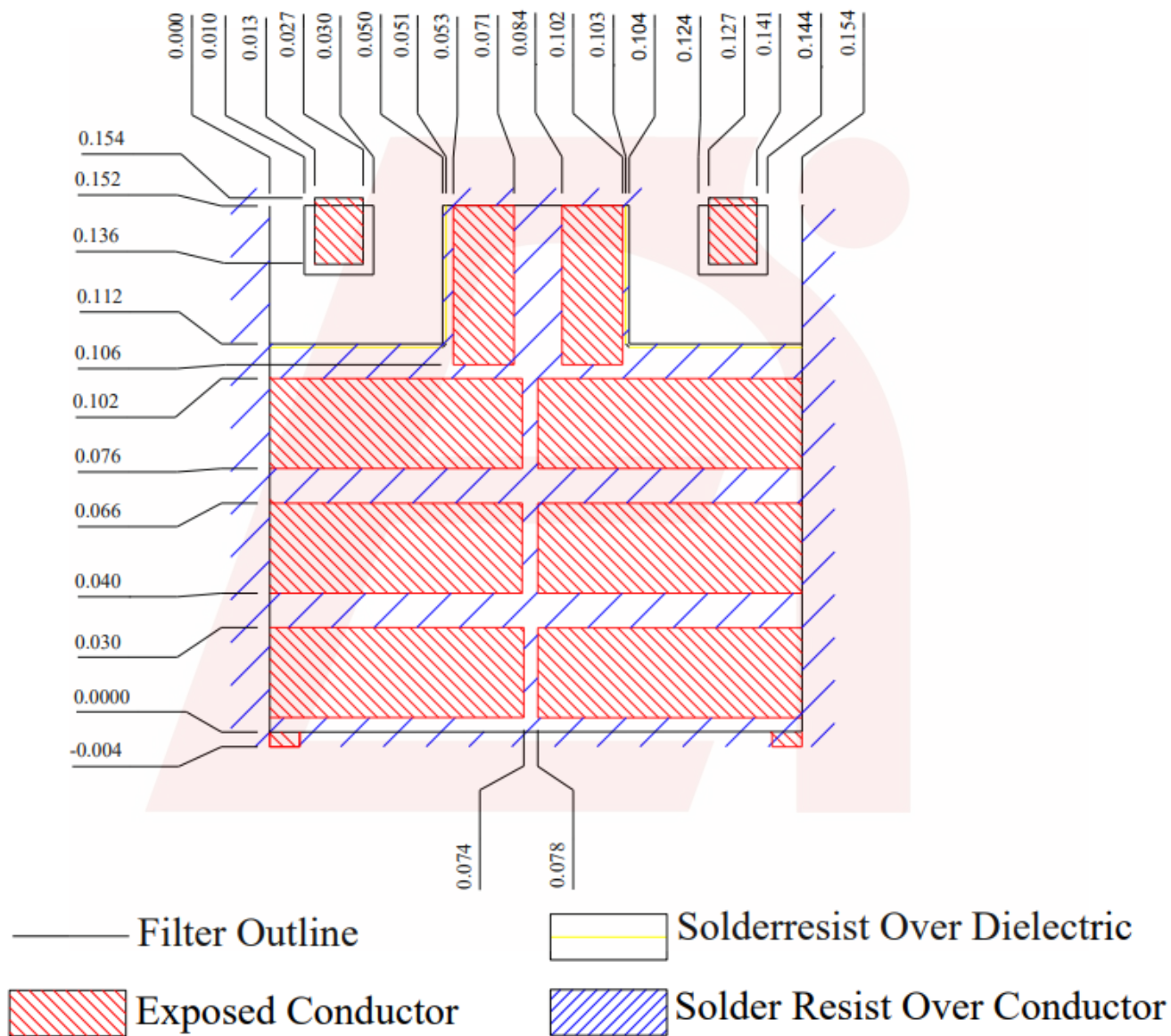
**Outline Drawing:**



| Dim | Nominal (mm) | Tolerance (mm)<br>+/- or max |
|-----|--------------|------------------------------|
| A   |              |                              |
| B   | 4.0          | max                          |
| C   |              |                              |
| D   | 0.53         | 0.13                         |
| E   | 2.9          | 0.13                         |
| F   |              |                              |
| G   | 0.51         | 0.13                         |
| H   | 0.25         | 0.13                         |
| I   | 0.51         | 0.13                         |
| J   | 0.51         | 0.13                         |
| L   | 4.2          | max                          |
| M   | 2.0          | max                          |
| R   | 0.51         | 0.13                         |



**PCB Layout**





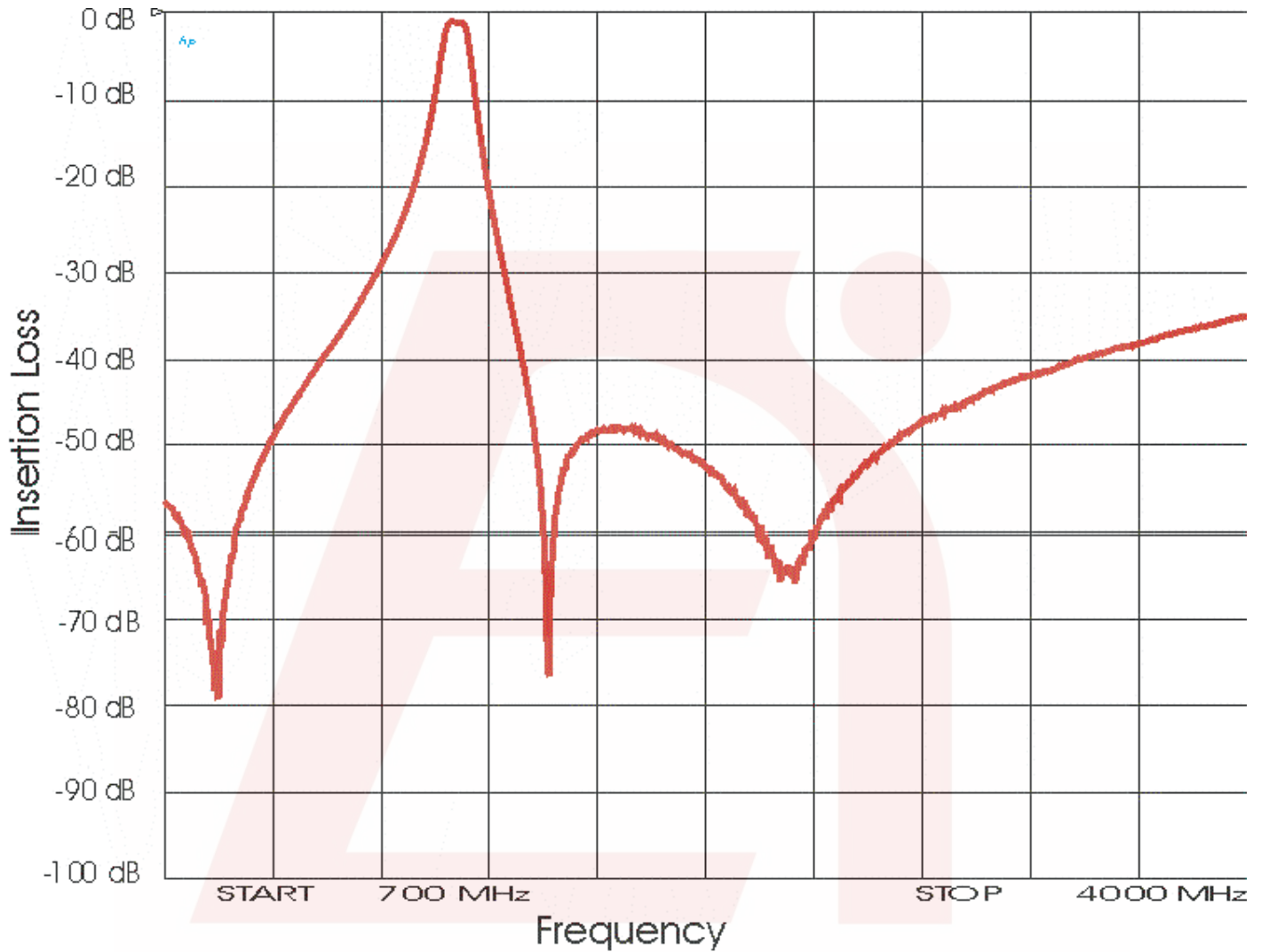
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# GPS 1575 MHz BPF

## Part Number: AM1575B321



### Response Plot:



DS-B321-02/09/2015-Rev0