



# 542 MHz Ceramic Band Pass Filter



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

**Part Number: AE542CB1799**

## Electrical Specifications

**Center Frequency(CF):** 542 MHz  
**3 dB Bandwidth(BW):** 80 MHz Min  
**Passband Frequency (PB):** 502-582 MHz  
**Insertion Loss @ CF :** 2.8 dB Max  
**VSWR @ CF:** 1.5:1 Max.  
**Rejection1:** 70 dB Min.@ DC-325 MHz  
**Rejection2:** 65 dB Min. @ 692-1120 MHz  
**Power Handling:** 1 Watt  
**Input / output Impedance:** 50 Ohms

## Mechanical

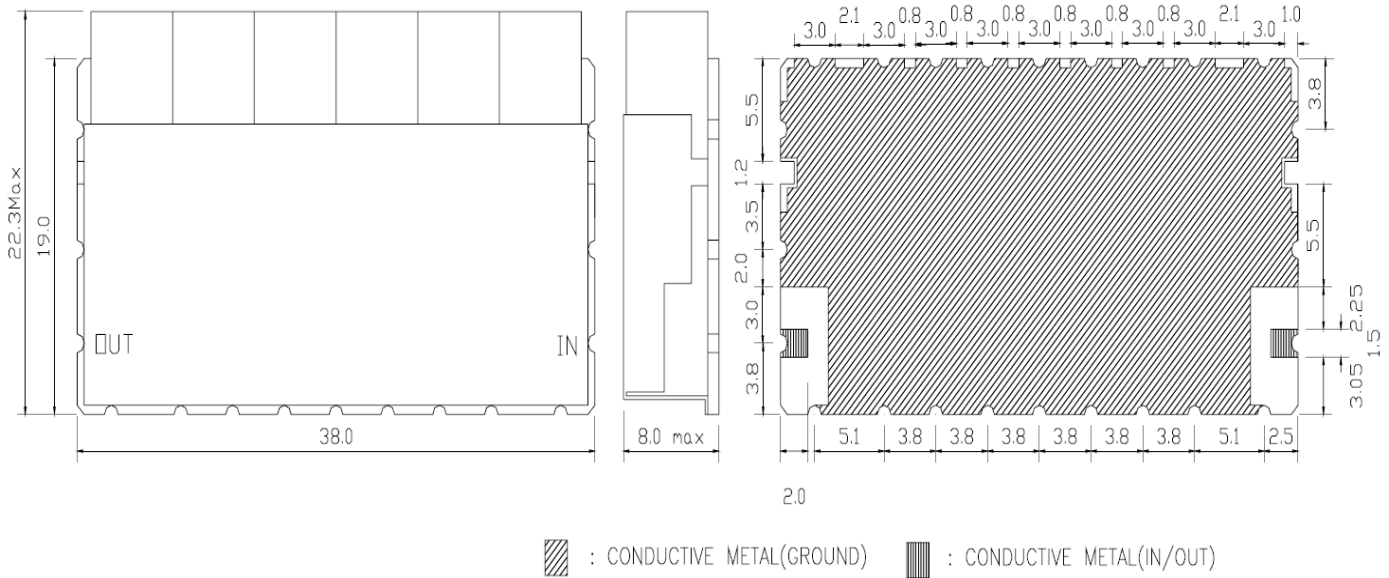
**Mounting Method:** SMT  
**Dimensions:** 38 x 22.3 x 8 mm

## Environmental

**Operating Temperature:** -35°C to +85°C  
**Storage Temperature:** -50°C to +100 °C  
**Shock:** 10G. 11ms  
**Vibration:** 10G 0.5 to 200 Hz

**This Product is RoHS Compliant.**

## Outline Drawing:



Tolerance: +/-0.01 inches [ +/- 0.3mm]

Angles: +/- 1 Deg.

\*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

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