



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

# 31.2 MHz Crystal Band Pass Filter

**Part Number: AE31CR360**



## Electrical Specifications

**Center Frequency:** 31.2 MHz  
**Passband:** 31.18 – 31.22 MHz  
**Insertion Loss:** 2.0dB Min, 8.0dB Max.  
**Input VSWR & Output VSWR:** 2.0:1 Max.  
**Rejection1:** ≥ 50dB @ 21.18 – 30.927 MHz  
**Rejection2:** ≥ 73dB @ 30.927 – 31.102 MHz  
**Rejection3:** ≥ 60dB @ 31.102 – 31.160 MHz  
**Rejection4:** ≥ 73dB @ 31.240 – 41.220 MHz  
**Power Handling:** 0.01 Watt

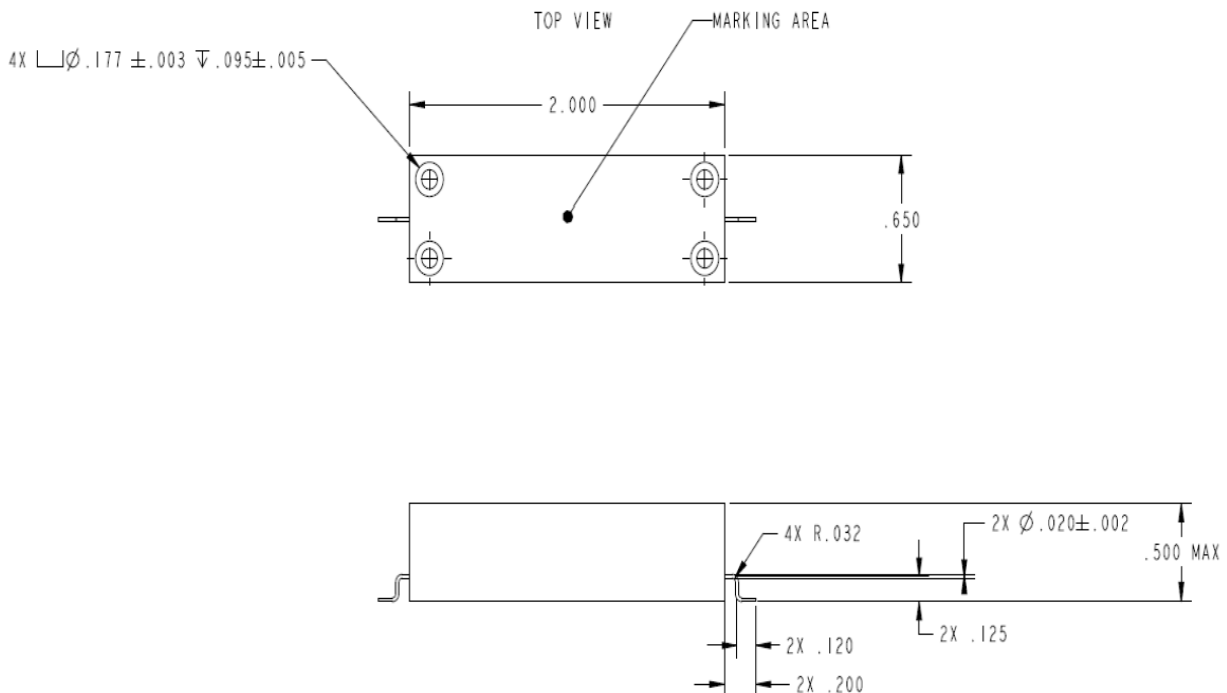
## Mechanical

**Connector Type:** SMT  
**Dimensions:** 2.0" X 0.65" x 0.5".

## Environmental

**Operating Temperature:** -45°C to +75°C  
**Storage Temperature:** -55°C to +85°C  
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

## 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.

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