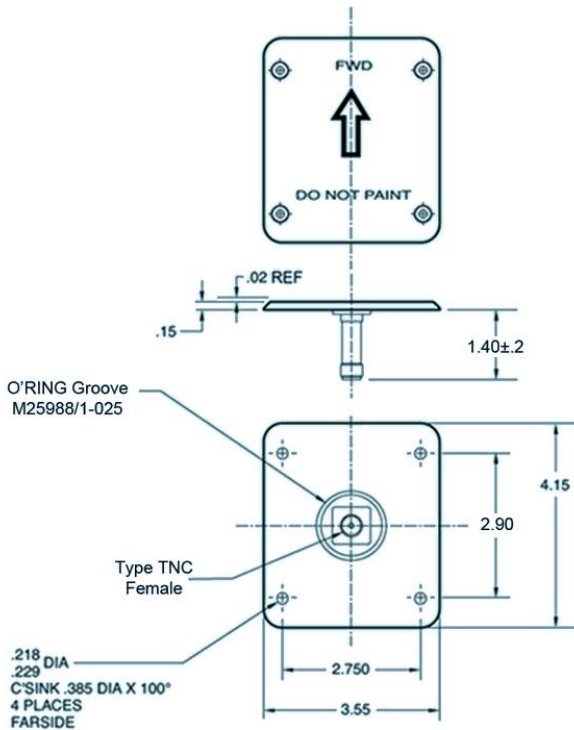


# Altimeter Antenna S67-2002-29



Please Note: For REFERENCE ONLY  
Contact Sensor Systems for latest drawing

## Description

**S67-2002-29:** Thin, flush-mounted radio altimeter antenna designed to provide improved performance as well as to reduce size and weight. Small size provides ease of mounting and is ideal for General Aviation and ARINC equipment. The antenna is smaller and lighter than existing horns. DC-grounded and hermetically sealed. Requires mounting with four 10-32 screws. Consists of lock wire provision for coaxial connector.

Unit is interchangeable with Collins, Bendix, Sperry, Honeywell and TRT Systems.

**FEDERAL & MILITARY SPECS:** FAA TSO-C87, ARINC 708/552, MIL-E-5272C, MIL-E-5400, RTCA DO-160.

## Specifications

### Electrical

|                |   |
|----------------|---|
| Frequency      | 4200 - 4400 MHz                                     |
| VSWR           | ≤ 2.0:1 (4200-4400 MHz)<br>≤ 1.5:1 (4275-4325 MHz)  |
| Gain           | 9.5 dBi   |
| Polarization   | Linear  |
| Impedance      | 50 Ω  |
| Power Handling | 5 Watts Average<br>500 Watt Peak                    |
| Beam Width     | Roll Plane 45° Min. (E)<br>Pitch Plane 40° Min. (H) |
| Sideload Level | -40dB   |

### Mechanical

|           |                                     |
|-----------|-------------------------------------|
| Weight    | .25 lb.                             |
| Height    | 0.15 in.                            |
| Length    | 4.15 in.                            |
| Width     | 3.55 in.                            |
| Material  | 6061-T6 Aluminum / Teflon Glass     |
| Finish    | Gloss White #17925 per Fed. STD 595 |
| Connector | TNC Female                          |

### Environmental

|             |                                 |
|-------------|---------------------------------|
| Temperature | -55°C (-67°F) to +85°C (+185°F) |
| Altitude    | -1,000 to +45,000 ft.           |



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