



Trimble AV39 Antenna

TSO CERTIFIED ANTENNA FOR AIRBORNE MAPPING AND SURVEYING APPLICATIONS

The Trimble AV39 antenna is a lightweight, TSO certified antenna. It provides centimeter precision with superior phase center repeatability.

COMPREHENSIVE GNSS SUPPORT

The Trimble AV39 antenna offers full support for current and near-future GNSS signals including GPS, GLONASS, Galileo, BeiDou, QZSS, IRNSS, OmniSTAR, Trimble RTX and SBAS.

ROBUST, LOW-MULTIPATH GPS ANTENNA

Mapping and surveying from the air using GNSS requires survey grade antenna technology in a compact and reliable form factor. The Trimble AV39 antenna achieves high precision and accuracy without compromising on weight and size.

Key Features

- ▶ Comprehensive GNSS support including GPS modernization signals, GLONASS, BeiDou, Galileo, QZSS and IRNSS
- ▶ TSO certified for airborne installations
- ▶ Low-profile design and ARINC 743 Footprint
- ▶ SBAS, L-Band support
- ▶ Iridium interference protection



Trimble AV39 GNSS Antenna

TECHNICAL SPECIFICATIONS

- Comprehensive GNSS Tracking:
 - GPS: L1, L2, L5
 - GLONASS: L1, L2, L3
 - Galileo: E1, E5a, E5b
 - BeiDou: B1, B2
 - QZSS: L1, L2, L5
 - IRNSS: L5
 - SBAS: WAAS, EGNOS, GAGAN, and MSAS
 - MSS: OmniSTAR, Trimble RTX
- Quality signal tracking
- TNC female signal connector
- Small cross-sectional area to reduce aerodynamic drag
- Integral low noise amplifier
- Powered by GNSS receiver via coaxial cable
- High gain for reliable tracking in difficult environments
- FAA certificate supplied with each antenna
- Iridium interference protection

PART NUMBERS

105728 (US)..... Trimble AV39 Antenna
 105728-10..... Trimble AV39 Antenna (Non-US Orders)

PHYSICAL AND ELECTRICAL SPECIFICATIONS

Dimensions . . . 14.27 cm length, 11.10 cm width, 3.76 cm height
 5.62" length, 4.37" width, 1.48" height

Weight 0.386 kg (0.85 lbs)

Operating Temperature. . . -55 °C to +70 °C (-67 °F to +158 °F)

Altitude ≤ 16,764 m (55,000 ft)

Finish UV Resistant white radome with aluminum base

Designed to DO-160E

ARINC 743 Footprint

RTCA DO-210D

TSO Incomplete TSO-C132

Frequencies 1525-1610 MHz
 1160-1252 MHz

Signal gain 38 dB

Voltage. 4.2 to 15.0 VDC

Polarization Right Hand Circular

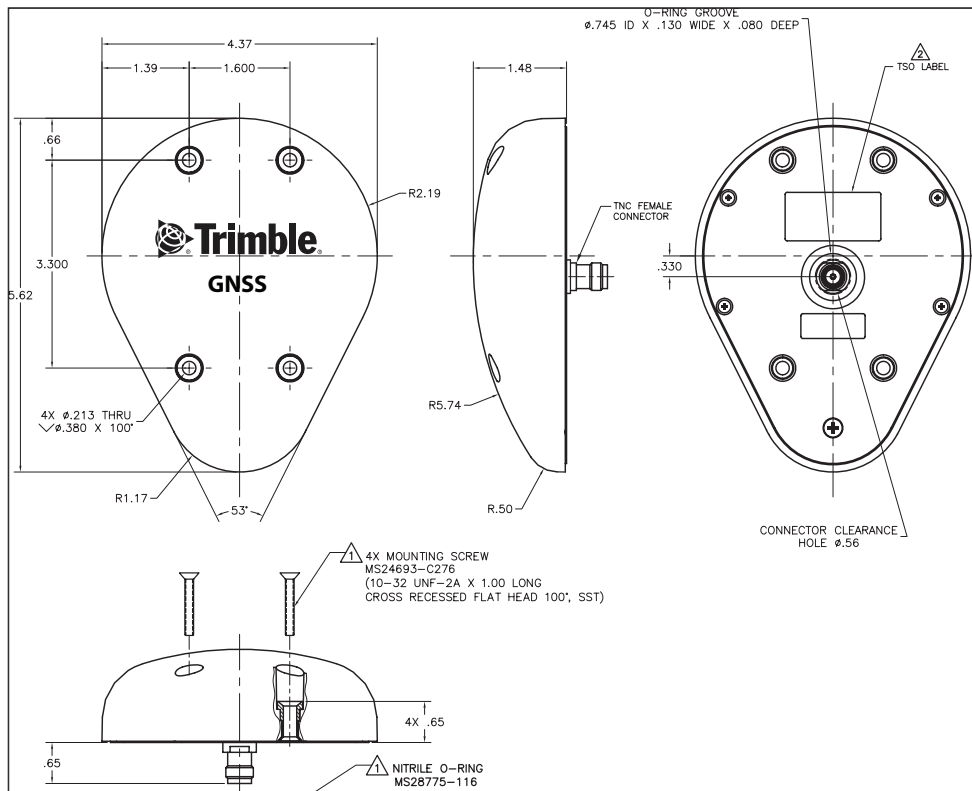
Axial Ratio. 3 dB Max @ boresight

Amplifier Noise Figure. 3.5 dBMax

Impedance 50 Ohms

VSWR : ≤ 2.0:1

Specifications subject to change without notice.



Contact your local dealer today

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