

AV-289 LOUD AND CLEAR

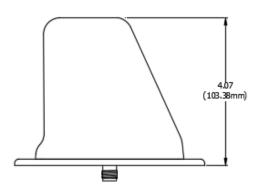
Model Number: AV-289

PRODUCT DESCRIPTION

The AV-289 is a broadband blade type antenna for applications such as Transponder, Cellular, 4G, GSM, PCS, WIFI and UMTS, however, it is FAA Qualified as a Transponder antenna. The antenna housing is constructed of a Polyarylamide Plastic shell and the base is 6061-T6 aluminum with a chemical conversion coating per MIL-C-5541. The antenna is supplied with an o-ring and mounting hardware. The antenna is designed to operate at speeds up to Mach 1 and altitudes up to 55,000 feet.

(133,35mm) .98 3.60 (24.89mm) (91.44mm) 1.76 .88 (22.35mm) 1.80 (45.72mm) 4X Ø 201 100° X Ø.385 MOUNTING HOLES 2.63 (12.44mm)

5.25



PRODUCT SPECIFICATIONS

Transponder, Cellular, 4G, GSM, PCS, Application

WIFI and UMTS

Frequency 700-799 MHz (Non TSO Function)

800-849 MHz (Non TSO Function) 850-1029 MHz (Non TSO Function) 1030-1090 MHz (TSO C74d)

1091-2700 MHz (Non TSO Function)

50 Ohms Nominal Impedance

VSWR 700-799 MHz 2.8 Max. 800-849 MHz

2.2 Max. 850-1029 MHZ 2.0 Max. 1030-1090 MHz 1.5 Max. 1091-2700 MHz 2.0 Max.

Polarization Vertical

Pattern Omni-Directional

Connector "TNC" Female (Optional: SMA, BNC & N) 100 Watts Continuous, 1000 Watts Peak RF Power Handling

Gain on 4 ft. Round 4 dBi Nominal

Ground Plane

Gain on 2 ft. Round

Ground Plane

3.5 dBi Nominal

Max. Weight 0.60 lbs (0.273 kg)

Color Gloss White, Skydrol resistant polyurethane

enamel

P/N: AV-289 "TNC" Female Connector P/N: AV-289(-SMA) "SMA" Female Connector P/N: AV-289(-BNC) "BNC" Female Connector

P/N: AV-289(-N) "N" Female Connector

