

AV-21

Special Use - UHF
Radio Telephone

The AV-21 is a rod style broadband radio telephone antenna which utilizes a BNC connector that allows for a smaller mounting hole. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 feet. It has a drag force of 0.41 lbs at 250 mph.

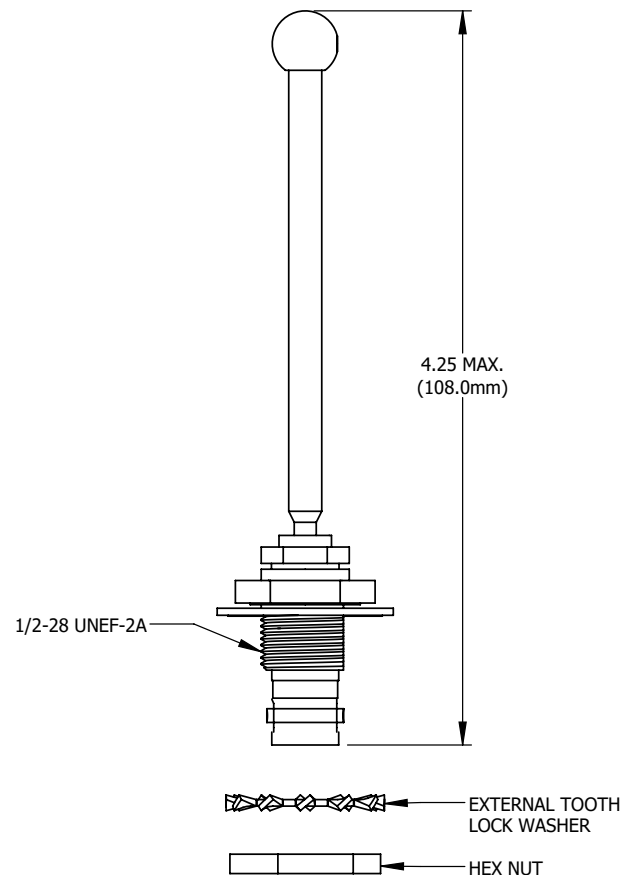


Product Specifications

Application	Special Use - Radio Telephone
Frequency	764 - 960 MHz
Impedance	50 Ohms Nominal
VSWR	764-870 MHz: 1.5:1 Maximum 870-960 MHz: 2.7:1 Maximum
Polarization	Vertical
Pattern	Omni-Directional
Connector	BNC Female
RF Power Capacity	1 KW Peak Pulse @ 1% Duty Cycle

Mechanical Specifications

Height	4.25"	107.95 mm
Weight	1.2 oz	0.03 kg



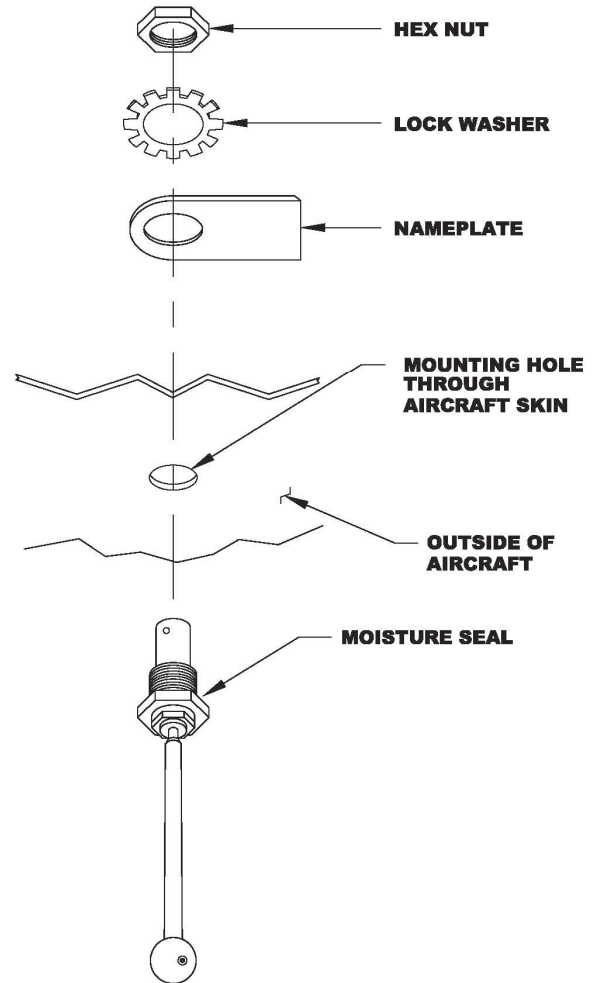
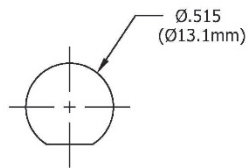
AV-21 INSTALLATION INSTRUCTIONS

Radiophone Antenna for General Aviation

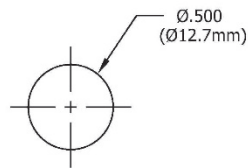
Frequency Range: 764-960 MHz

INSTALLATION INSTRUCTIONS

1. Mounting location should be on the belly of the aircraft, at least 18" from any other metal protrusions. Mount on as flat a surface as possible.
2. Drill mounting hole (see options below) through the aircraft skin at desired location. Remove all burrs from around edge to allow proper seating of moisture seal.
3. Disassemble antenna by removing the hex nut, lock washer, and nameplate as shown in the illustration to the right.
4. Insert the antenna through the mounting hole from the outside of the aircraft.
5. Slide nameplate and lock washer over the BNC connector of the antenna from the inside of the aircraft. Thread the hex nut onto the BNC connector and tighten securely.
6. Connect the antenna to the aircraft radio using a cable with a BNC type connector attached (not supplied).



MOUNTING HOLE
OPTION #1



MOUNTING HOLE
OPTION #2

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