AV-200 & AV-200(-B)

Airborne ELT Antenna
FAA TSO: C126a

The AV-200 ELT antenna is intended for use with a 406 MHz ELT (Emergency Locator Transmitter) for General Aviation. It is a passive two frequency wire whip, designed for low speed aircraft (up to 250 knots). It has met DO-160G, Section 8, Category U requirements for robust vibration and is qualified for installation on helicopters with unknown related rotor frequencies.

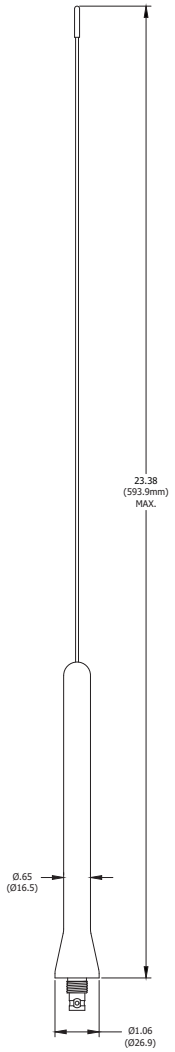


Product Specifications

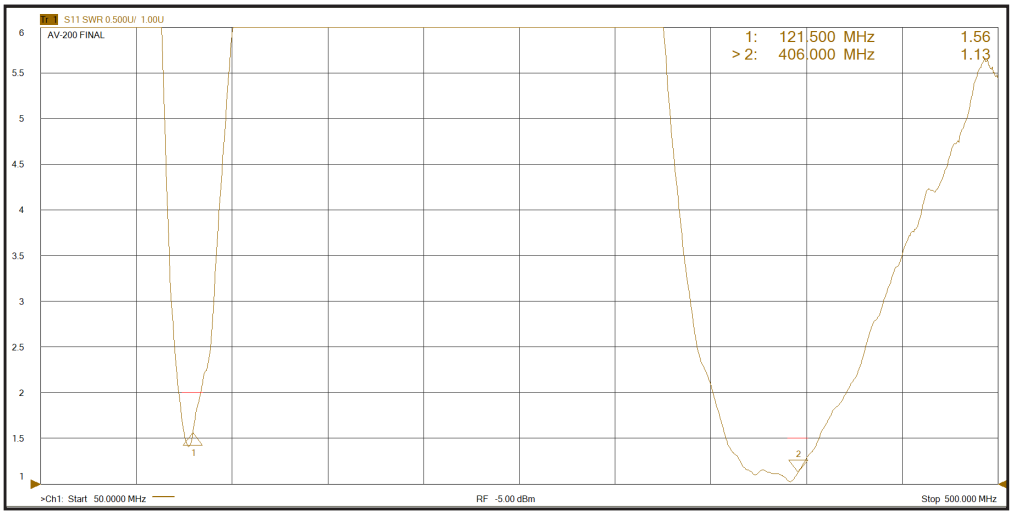
Application	Airborne ELT
Frequency	121.5 & 406 MHz
Impedance	50 Ohms Nominal
VSWR	2.0:1 Max. @ 121.5 MHz 1.5:1 Max. @ 406 MHz
Polarization	Vertical
Pattern	Omni-Directional
Connector	"BNC" Female
RF Power Capacity	10 Watts CW
FAA TSO	C126a

Mechanical Specifications

Height	24.0"	609.6 mm
Weight	3 oz.	0.085 kg
Available Colors	AV-200	White
	AV-200(-B)	Black



VSWR


Tr 1 S11 SWR 0.500U/ 1.00U
AV-200 FINAL
1: 121.500 MHz 1.56
> 2: 406.000 MHz 1.13
6
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
>Ch1: Start 50.0000 MHz
RF -5.00 dBm
Stop 500.000 MHz

AV- 200 & AV-200(-B) INSTALLATION INSTRUCTIONS
ELT Antenna for General Aviation

Frequency Range: 121.5/406 MHz

INSTALLATION INSTRUCTIONS

1. Mounting location should be on the top of the aircraft at least 24” from any other metal protrusions. Typically mounted aft of passenger/ baggage area and forward of vertical stabilizer.

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.

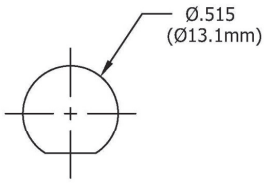
3. Disassemble antenna by removing the hex nut and lock washer as show in the illustration.

4. Insert the antenna through the mounting hole from the outside of the aircraft.

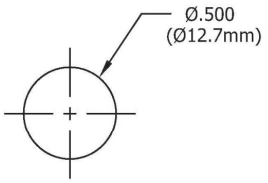
5. Slide the lock washer over the BNC connector of the antenna from the inside of the aircraft. Thread the hex nut onto the BNC connector and tighten securely.

6. Connect the antenna to the ELT using a cable with a BNC type connector attached (not supplied).

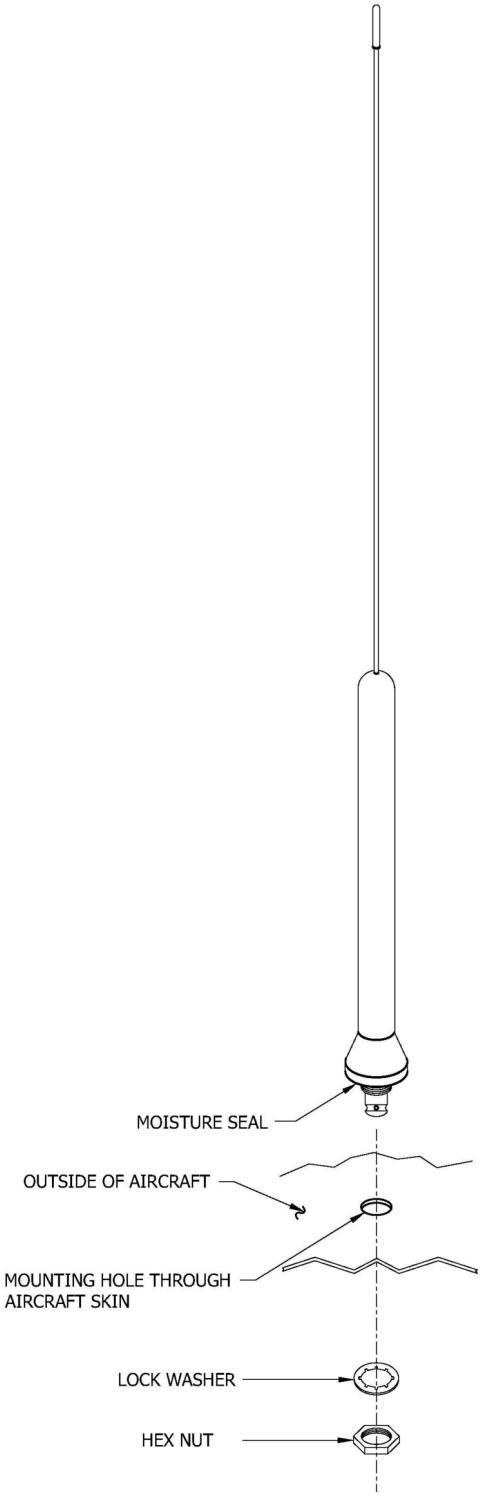
The conditions and tests for TSO approval of this article are minimum performance standards. Those installing this article, on or in a specific type or class of aircraft, must determine that the aircraft installation conditions are within the TSO standards. TSO articles must have separate approval for installation in an aircraft. The article may be installed only according to 14 CFR part 43 or the applicable airworthiness requirement.



MOUNTING HOLE
OPTION #1



MOUNTING HOLE
OPTION #2



Doc. #27-200-1
Rev.: B, Jan. 2015