AV-701 & AV-701(-GB)

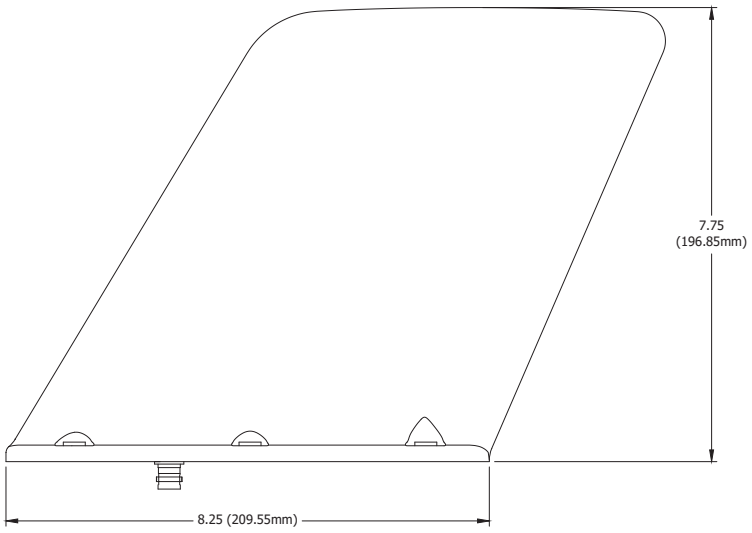
Airborne ELT Antenna
FAA TSO: C126a

The AV-701 is intended for use with an ELT (Emergency Locator Transmitter). It is a passive single port three frequency aircraft blade antenna, designed for high speed aircraft. The circuit board housing is made from Polycarbonate. This antenna operates at VHF and UHF frequencies.



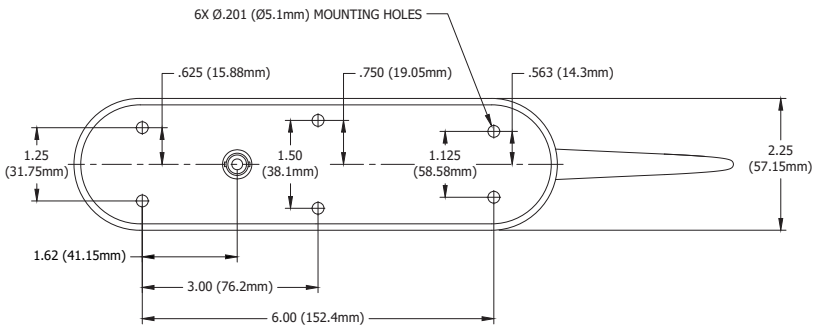
Product Specifications

Application		Airborne ELT High Speed Blade
Frequency		121.5 MHz 243 MHz 406 MHz
Impedance		50 Ohms Nominal
VSWR	*121.5 MHz:* *243 MHz:* *406 MHz:*	2.0:1 Maximum 2.0:1 Maximum 1.5:1 Maximum
Polarization		Vertical
Pattern		Omni-Directional
Connector		BNC Female
RF Power Capacity		10 Watts CW
FAA TSO		C126b

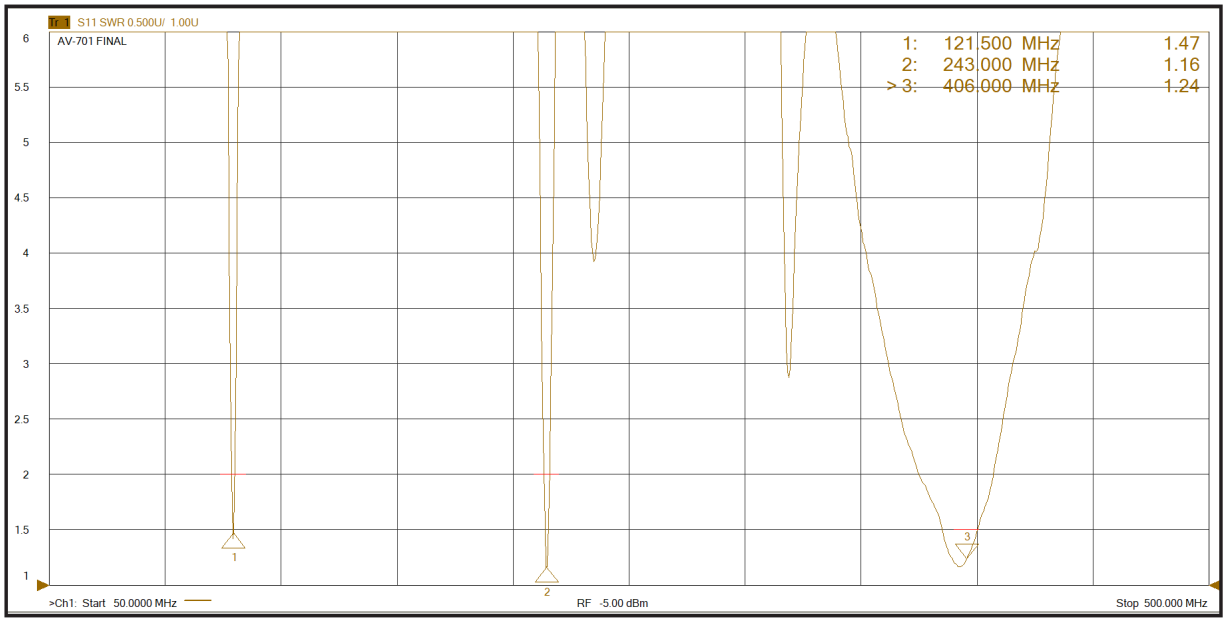


Mechanical Specifications

Height	7.75"	196.85 mm
Weight	1.28 lbs	0.58 kg
Available Colors	AV-701 AV-701(-GB)	Gloss White Gloss Black



VSWR


Tr 1 S11 SWR 0.500U/ 1.00U
AV-701 FINAL
1: 121.500 MHz 1.47
2: 243.000 MHz 1.16
> 3: 406.000 MHz 1.24
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-701 & AV-701(-GB) INSTALLATION INSTRUCTIONS
ELT Antenna for General Aviation *(Incomplete System)*

Frequency Range: 121.5, 243, 406 MHz

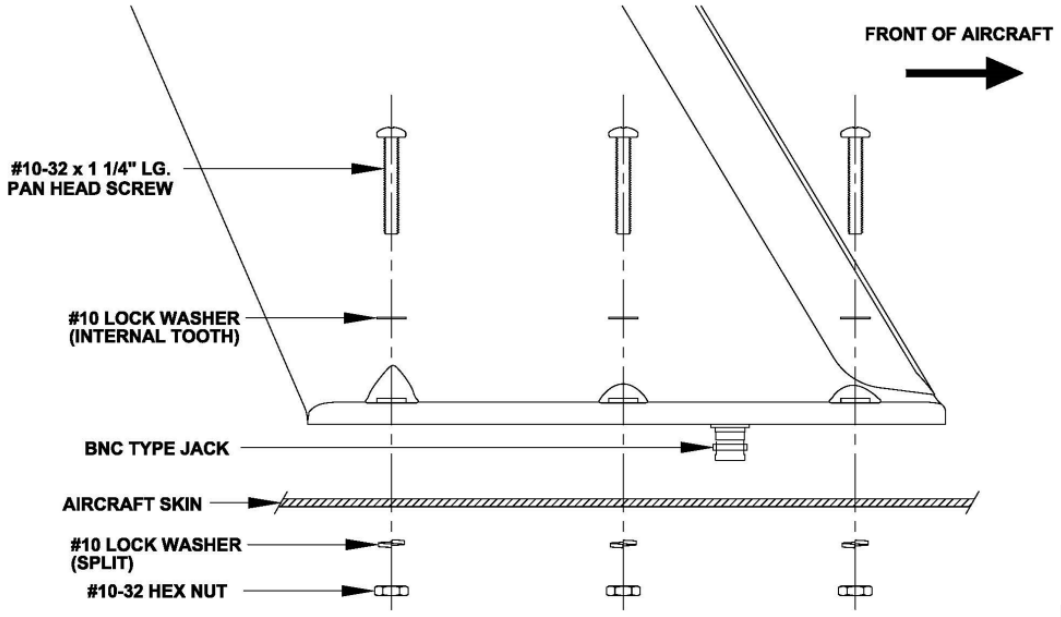
INSTALLATION INSTRUCTIONS

1. Determine the desired mounting location on the aircraft. Keep in mind that the antenna should be located at least two feet away from other antennas and reflective surfaces on the airframe (e.g., vertical stabilizer, landing gear, etc.). A good electrical connection must exist between the antenna mounting hardware and the metal frame or skin of the aircraft.

2. Using the mounting template provided, drill six mounting holes and one for the connector.

3. Mount the antenna by inserting the hardware provided as shown below and tighten all mounting screws securely to provide good electrical contact.

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 requirements.



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