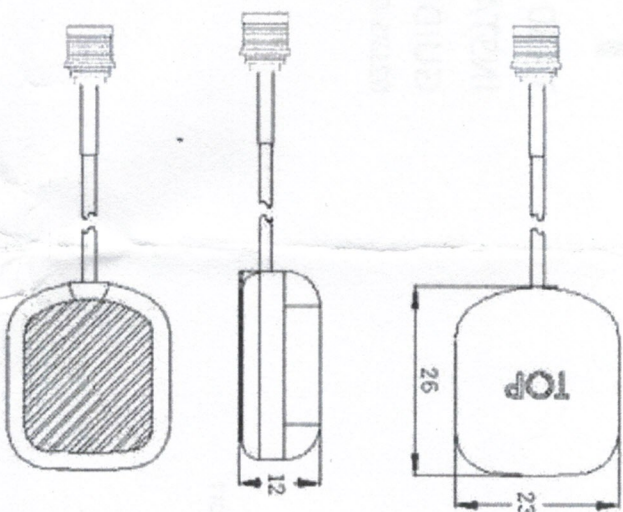


INSTALLATION GUIDE



1. Mounting location: The TA50 can be mounted either internally or externally. The antenna must be mounted in a location that will assure the best possible (360° at the horizon) unobstructed view of the GPS satellite constellation in level flight – for example, on the roof of the aircraft or on top of the glare shield. For best performance the antenna should be mounted on a metallic surface of at least 7cm square to form a ground plane.
2. Ensure that the surface area where the antenna is to be mounted is clean and free from dust or grease.
3. Stick the included adhesive pad to the base of the antenna. Peel off the other side of the pad and position the antenna in the desired location, pressing down firmly to permanently attach.
4. Route the cable to the GPS receiver, taking care to avoid locations where it may rub or trap controls.

SPECIFICATION SHEET

TA50 –Aircraft Antenna for GPS Receivers

The TA50 is a permanently mounted aircraft antenna, designed for use with GPS receivers such as the Trig TN72. The TA50 is available with a QMA connector for direct connection to the TN72, or with an SMA connector for other applications.

The TA50 is an active (amplified) antenna providing an average of 26 dB gain over a passive (non-amplified) antenna.

The TA50 is supplied for aviation use only.

Specifications:

Frequency:	1575.42 MHz ± 3 MHz
Antenna Gain:	>1 dBIC
VSWR:	1.5:1
Filtering:	-20 dB minimum @ ± 50 MHz
Noise Figure:	1.5 dB maximum
Gain:	26 dB
DC Power Requirement:	3 to 5 VDC
Temperature:	-40° C to +85° C
Cable Length/Connector:	1 metre, QMA – Part No 02171-00 3 metre, QMA – Part No 02172-00 1 metre, SMA – Part No 02364-00 3 metre, SMA – Part No 02365-00