

TA50 –Aircraft Antenna for GPS Receivers.

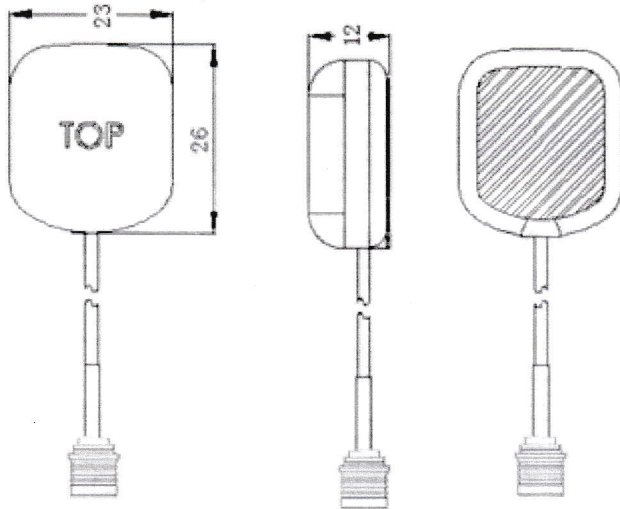
The TA50 is a permanently mounted aircraft antenna, designed for use with GPS receivers such as the Trig TN72. The TA50 is fitted with a QMA connector.

It 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 Max.
Gain:	26 dB
DC Power Requirement:	3 to 5 VDC
Temperature:	-40° C to +85° C
Cable Length:	1 metre – Part No 02171-00 3 metre – Part No 02172-00



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.
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.