



AP-25C GPS Active Antenna Module

Designed for onboard integration with GPS receivers, this combines a 25*25*4mm advanced ceramic patch antenna with a powerful two stage LNA for 30dB+ gain and optional custom cable and connector. Taoglas active antenna modules utilise XtremeGain™ technology for the highest sensitivity in the industry. Optimised for asset tracking, navigation and remote monitoring applications.

Gives performance boost for all GPS receivers in the industry, Falcom, SiRF Star II, SiRF Star III, uNav, Nemerix, Fastrax, etc.



Top View of AP-25D

Features

- Customised ground planes size and shape available
- High performance 30dB + gain – suitable for indoor and outdoor environments
- Low power consumption
- High gain, Low noise < 1.5dB
- Excellent temperature stability and out-band rejection
- Wide band input voltage
- Compatible with every GPS receiver
- Variety of applications in GPS car navigation systems, aviation, and handheld devices

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Performance Specifications		
Antenna	Frequency	1575.42 ± 1.023 MHz
	Polarization	RHCP
	Antenna Gain	90 deg 2dBi min.
	Output Impedance	50 ohm
LNA	Frequency	1575.42 ± 1.023 MHz
	Noise Figure	1.5dB max.
	Gain	28 ± 4.5dB
Overall	Overall Gain	At 90° 30 ± 4.5dBi – (cable loss)
	Input Voltage	Min:2.5V Max: 5.5V
	Current Consumption	At 3.0 V Typ: 13mA Max:16mA At 5.0 V Typ:18mA.Max: 22mA
	VSWR	2.0 Max
	Output connector	SMA(M) – custom optional

Outline and Dimensions

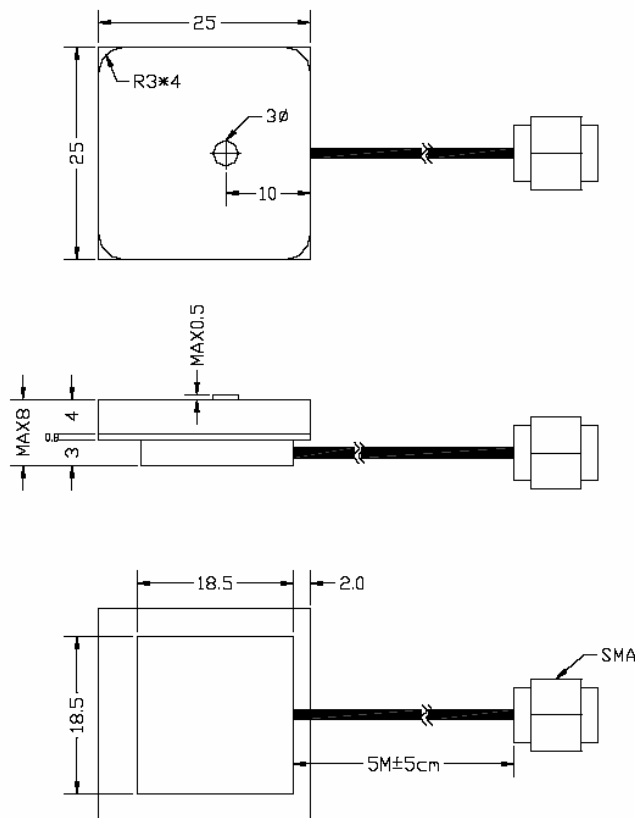


Fig. 2

Unit:mm

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