

GPS Magnetic Miniature Antenna with 5m cable

3.3V or 5V, 27dB, SMA Connector



Revision 4

The specifications in this document are subject to change without Notice.

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Key Features

- Waterproof and corrosion-resistant housing
- Available in SMA connector (SMB on request)
- RoHS-Compliant (PB-free)



Presentation

The miniature 3.3V or 5V GPS patch antenna is a water-resistant, low-profile antenna used with GPS time receivers. It has a magnetic mounting for quick, convenient placement on or inside vehicles, making it ideal for Timing and Navigation mobile asset management.

Put it anywhere.

The antenna is housed in weatherproof packaging designed to withstand exposure to shock, excessive vibration, extreme temperatures, rain, snow and sunlight.

SUMMARY OF THE CHARACTERISTICS

Environmental

Dimensions (L x W x H)	50.5mm x 40.2mm x 13.9mm
Vibration	10-200Hz Log sweep 3g 3 axes
Shock	50g vertical, 30g all axes
Operating Temperature	-40/+85 °C
Storage Temperature	-40/+100°C
Humidity	MIL-STD-810E
Corrosion	5% Salt spray
Waterproof	JISD0203 S2
Mounting	Magnetic
Weight	60 grams (without cable)
Connector	5V: SMA (SMB on request) 3V: SMA

Electrical/Performance characteristics

Prime power	3V $\pm 0.3V$ or 5V $\pm 0.5V$
Power consumption	20mA@3V 30mA@5V
Gain (whole assembly)	27dB ± 3 dB @3V 27dB ± 3 dB @5V
Frequency	1575.42MHz (± 1.023 MHz)
Impedance	50 Ω