

GPS & Timing Antenna







The HD-GPS-TIMING antenna covers the GPS L1, GLONASS L1 and SBAS (WAAS, EGNOS, & MSAS) bands from 1575-1606 MHz. It can be ordered in an NMO mount or with a threaded section for pass thru mounting with a pigtail.

The antenna has a two stage low noise amplifier (LNA) with a mid-section SAW filter. It can be ordered with a tight pre-filter for protection against saturation by high level sub-harmonics and L-Band signals.

Robust and tough, this antenna is housed in a thick UV stable radome and is constructed from corrosion resistant materials for reliability in the harshest environments.

Applications Include:

- Military & Private Security
- Law Enforcement & Public Safety
- PTC / Rail
- Mining, Construction & Agriculture
- Fleet Management & Asset Tracking

Benefits Include:

- Increase System Accuracy
- High Signal to Noise Ratio
- Strong out of Band Rejection
- RoHS Compliant



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Specifications

ELECTRICAL:

Frequency Range: 1575-1606 MHz

LNA Gain: 28 dB +/-.5

Antenna Gain: 4.5 dBic (with 100mm ground plane.)

Axial Ratio: ≤ 4 dB @ 1590 MHz, 8 dB typical @ band edges.

VSWR: < 1.5:1 Typical

Polarization: RHCP

Input Impedance: 50 Ω Nominal

Power: 2.5 to 16 VDC

Supply Current: 10 mA max.

ESD Circuit Protection: 15 kV air discharge

Input Connector: NMO or SMA Male (Others Available)

MECHANICAL:

Overall Height: 1.88 in. (48 mm) NMO

0.92 in. (24 mm) Surface Mount

Overall Diameter: 2.13 in. (54 mm)

Maximum Wind Load: 125 mph (201 km/h)

Net Weight: 5 oz. (142 g)

Operational Temps: -40° to $+185^{\circ}$ F (-40° to $+85^{\circ}$ C)

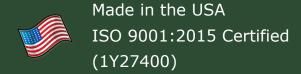
Color: Black/Green/Tan/Grey/White

Coax Length: Specified at time of purchase.

Mounting: NMO

Deck Mount/Surface Mag Base Available

^{**}Specifications are subject to change without prior notice.



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^{**}All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.