

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 +/-0.5
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°F (-40° to +85°C)
Color:	Black/Green/Tan/Grey/White
Coax Length:	Specified at time of purchase.
Mounting:	NMO Deck Mount/Surface Mag Base Available

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

****Specifications are subject to change without prior notice.**



Made in the USA
ISO 9001:2015 Certified
(1Y27400)

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