## 26 dB High Rejection Antenna with Enhanced Narrow Band Filtering

GNSS/GPS Antennas - Timing

**GPS-TMG-HR-26N Series** 



## **Description**

Timing reference antenna featuring narrow band and high rejection filtering for GPS applications facing severe interference.

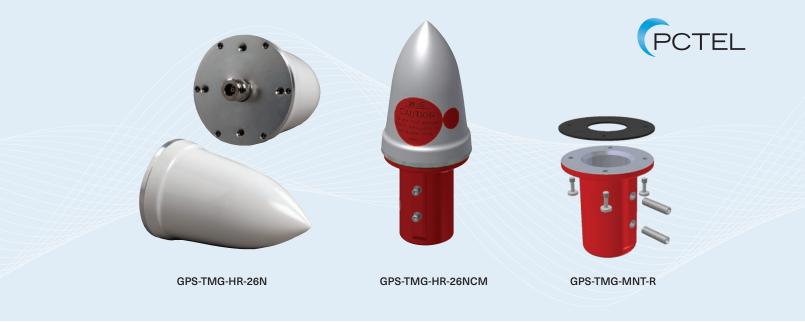
## **Technologies**

• GPS L1

#### **Features**

- 26 dB amplifier
- Superior filtering and out-of-band rejection
- Unique radome sheds water, ice, and minimizes bird perching





## 26 dB High Rejection Antenna with Enhanced Narrow Band Filtering

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The GPS-TMG-HR-26 series timing reference antennas feature narrow band, high rejection filtering to support long-lasting, trouble-free deployments in congested cell-site applications with severe interference around the GPS frequency. The proprietary quadrifiliar helix design, coupled with multi-stage filtering provides superior out-of-band rejection and lower elevation pattern performance than traditional patch antennas. The unique proprietary radome shape sheds water and ice, and eliminates bird perching problems.

The antenna may be purchased by itself or with pipe mounting hardware. Custom models or site kits options are also available. The antenna label and collar mount are color coded red for differentiation purposes.

#### **Features**

- High performance: 26 dB amplifier
- Superior filtering Multi-stage, narrow band, high rejection filtering
- Unique design Quadrifiliar helix design and multi-stage filtering provide effective out-of-band rejection and lower elevation pattern performance than traditional patch antennas
- Weatherproof Unique radome shape sheds water and ice, and eliminates problems associated with bird perching

#### Certifications





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## **Standard Configuration**

Model	Connector	Mount	Radome
GPS-TMG-HR-26N	N Female (one - bottom fed)	Antenna Only. Does not include mounting hardware. Includes red powder coated collar mount (GPS-TMG-MNT-R)	Color: White
GPS-TMG-HR-26NCM			

## **Electrical Specifications - GNSS Antenna (All Models)**

Specification	Measurement		
Frequency Range	1575.42 ± 10 MHz		
LNA Gain	26.5 dB ± 3 dB		
Element Gain	3.5 dBic		
Out-of-Band Rejection	≥ 65 dB @ 1559 MHz ≥ 65 dB @ 1625 MHz		
VSWR	≤ 1.5:1 (typical)		
Noise Figure	≤ 4.0 dB @ +25°C (typ.) ≤ 4.5 dB @ +25°C (max.)		
Current Draw	≤ 40 mA @ 5V		
DC Voltage	Operating: 3.3- 12.0 V (regulated) Survival: 24 V		
Nominal Impedance	50 ohms		
Polarization	Right hand circular		

## Mechanical and Environmental Specifications - All Models

Specification	Measurement
Dimensions	5.0" H x 3.2" D (126 H x 81 mm)
Weight	0.6 lbs (0.3 kg)
Housing Material	ASA
Temperature Range	-40°C to +85°C
Humidity	95%

## **CONTACT US**

# For more information about this product contact your sales representative or visit

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