



High Rejection 26 dB with Enhanced Narrow Band Filtering

The GPS-TMG-HR-26 timing reference antennas feature a 26 dB amplifier and narrow band high rejection filtering specifically designed to support long-lasting, trouble-free deployments in congested cell-site applications with severe interference around the GPS L1 frequency.

The proprietary quadrifilar helix design, coupled with multi-stage filtering provides superior out-of-band rejection and lower elevation pattern performance than traditional patch antennas.

The unique radome shape sheds water and ice, while eliminating problems associated with bird perching. 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.

This antenna is made of materials that fully comply with provisions stipulated by EU directives RoHS 2002/95/EC.



GPS-TMG-HR-26N (Top)
GPS-TMG-MNT-R (Bottom left)
GPS-TMG-HR-26NCM (Bottom right)

STANDARD CONFIGURATION

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

ELECTRICAL SPECIFICATIONS - GNSS ANTENNA

Model	Frequency Range	LNA Gain	Element Gain	Out of Band Rejection	VSWR
GPS-TMG-HR-26N	1575.42 +/- 10 MHz	26.5 dB ± 3 dB	3.5 dBic	≥ 65 dB @ 1559 MHz ≥ 65 dB @ 1625 MHz	≤ 1.5:1 (typical)

ELECTRICAL SPECIFICATIONS - GNSS ANTENNA, continued

Model	Noise Figure	Current Draw	DC Voltage	Nominal Impedance	Polarization
GPS-TMG-HR-26N	≤ 4.0 dB @ +25°C (typ.) ≤ 4.5 dB @ +25°C (max.)	≤ 40 mA @ 5V	Operating: 3.3- 12.0 V (regulated) Survival: 24 V	50 ohms	Right hand circular

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Model	Dimensions	Weight	Housing Material	Temperature Range	Humidity
GPS-TMG-HR-26N	5.0" H x 3.2" D (126 H x 81 mm)	0.6 lbs (0.3 kg)	ASA	- 40°C to + 85°C	95%