GPS-TMG-26N, 26 dB Internal Amplifier

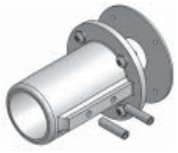
The GPS-TMG-26 timing reference antennas feature a 26 dB amplifier specifically designed to support long-lasting, trouble-free deployments in congested cell-site applications.

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.

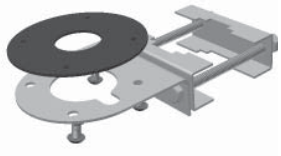
Their unique radome shape sheds water and ice, while eliminating problems associated with bird perching. The antenna may be purchased by itself or with pipe mounting hardware. Custom models or site kits options are also available.

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

GPS-TMG-26N



GPS-TMG-MNT



GPS-TMG-LMNT

GPS-TMG-MRNMNT

Antenna Element Electrical Specifications

Frequency Band	Antenna Gain	Nominal Impedance	VSWR	Polarization	Connector
1575.42 +/- 10 MHz	3.5 dBic	50 ohms	≤1.5:1	Right hand circular	N, female (one - bottom fed)

Mechanical Specifications

Antenna Dimensions	Shipping Dimensions	Antenna Weight	Shipping Weight	Radome Color
5.0” H x 3.2” D (126 H x 81 mm)	7.5” L x 4.4” W x 3.8” D (190 L x 112 x 96 mm)	0.6 lbs (0.3 kg)	1.9 lbs (0.9 kg)	White

Environmental Specifications

Temperature Range	Humidity
- 40˚C to + 85˚C	95%

Mounting

All mounting options fit pipes of 1”-1.45” (25 mm-37 mm) maximum diameter.

Model	Options
GPS-TMG-26N	Does not include mounting hardware.
GPS-TMG-26NMS	Includes universal mounting hardware consisting of collar (GPS-TMG-MNT) and pipe clamp (GPS-TMG-LMNT).
GPS-TMG-26NCS	Includes economy collar mount (GPS-TMG-MRNMNT).

PCTEL

Low Noise Amplifier Specifications

Frequency Band (MHz): 1575.42 +/- 10 MHz
Amplifier Gain: 26 dB +/- 3 dB
Nominal Impedance: 50 ohms
Output VSWR: < 2.0:1
Maximum Noise Figure: ≤ 2.5 dB @ +25˚C including pre-selector
DC Voltage: 3.3- 9.0 V (regulated)
DC Current: ≤ 35 mA
Filtering: 3 stage filtering including pre-selector
Bandwidth: ≥ 60 dB @ +/- 50 MHz off center frequency