



40DB gain GPS antenna with Lightning Protection | 66-110-S | 123e.com

Part Number: 66-110-S

The GPS-TMG-40 timing reference antennas are specifically designed for long lasting, trouble-free deployments in congested cell-site applications. Their 40 dB high gain amplifier is well suited to address attenuation issues associated with applications requiring longer cable runs.

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

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

This antenna also features ESD, reverse polarity protection and transit voltage suppression.

Why 123eWireless:

- Field-proven solutions engineered for XtremeWeather™ conditions
- Seamless integration into timing and sync systems for cellular and private networks
- Backed by our commitment to performance, reliability, and support

PHYSICAL SPECIFICATIONS

| | |
|-------------|---------------------------------|
| Dimensions | 5.0" H x 3.2" D (126 H x 81 mm) |
| Weight | 0.6lbs |
| Connector A | N Female (one - bottom fed) |

ELECTRICAL SPECIFICATIONS

| | |
|-----------------|--|
| Antenna Gain | 3.5 dBic |
| Frequency Range | 1575.42 +/-10 MHz |
| Impedance | 50 ohms |
| Polarization | Right hand circular |
| Voltage Rating | DC= 2.8-9.0 V (operating) ≤ 28.0 V (survivability) |
| VSWR | ≤ 1.5:1 |

ENVIRONMENTAL SPECIFICATIONS

| | |
|-----------------------|------------------|
| Humidity | 95% |
| Operating Temperature | - 40°C to + 85°C |
| Temperature Range | - 40°C to + 85°C |

Thank you visiting 123eWireless.

Please contact us at sales@123ewireless.com for any queries.