Tango 21
IP66 Vandal Resistant Through Hole GPS Antenna

Key Features

- IP66 rated
- GPS antenna
- 28dB LNA gain
- Compact: 30.5 x 30.5 x 13.9mm

Additional Considerations

- 1/4 - 36UNS-2B screw thread
- Compact design for covert or space conscious applications
- RoHS compliant

Rev 1.3
**Antenna Specifications**

- **Frequency range:** 1575.42 ± 1 MHz
- **V.S.W.R.:** <1.5
- **Polarization:** RHCP
- **Gain:** 5dBic (Zenith)
- **Impedance:** 50ohm
- **Band Width:** CF ±5MHz
- **Axial Ratio:** 3dB (max)
- **Dimension:** 30.5x30.5x13.9mm

**Mechanical Specifications**

- **Cable:** RG174 or others
- **Connector:** SMA / MCX / FAKRA or others
- **Material:** ABS
- **Mounting method:** Screw

**LNA Specifications**

- **Gain:** 28±2dB
- **Noise Figure:** <1.5
- **Filter Insertion Loss:** <3dB
- **Ex-band Attenuation:** 12dB@CF + 50MHz/16dB@CF-50MHz
- **Supply Voltage:** 2.2-5V DC
- **Current Consumption:** 5-15mA
- **VSWR:** <2.0

**Environmental Specifications**

- **Operating temperature:** -40 to +85°C
- **Relative humidity:** Up to 95%
- **Vibration:** 10 to 55Hz with 1.5mm amplitude 2 hours
- **Environmentally friendly:** RoHS compliant

---

**Test Reports**

**Radiation Patterns**

- XY Plane
- XZ Plane
- YZ Plane

---

Siretta is a division of Sequoia Technology Group Ltd
Registered in England No. 4004881
VAT Registration No. GB614 5653 45

Siretta
Basingstoke Road
Spencers Wood
Reading
Berkshire RG7 1PW

**sales** +44(0)118 976 9014
**fax** +44(0)118 976 9020
**email** info@siretta.co.uk
**web** www.siretta.co.uk