Tango 47
4G/LTE and GPS Combined Panel Mount Antenna

Key Features
- 3G/4G/GPS heavy duty screw mount
- Designed for public transport

General Description
The Tango 47 antenna is the perfect answer for any kind of on-the-move vehicle to be able to access GPS and 3G/4G cellular networks reliably, with as much bandwidth as possible.

Designed for systems that require both GPS and telephony/internet connectivity. Having two antennas in one package saves on both installation time/cost and having to buy two antennas.

The Tango 47 has a 12mm zinc plated steel backing plate, which is robustly built for deploying on the roof of the intended vehicle.

Additional Considerations
- Weatherproof design
- High gain GPS antenna
- Cost saving combined function antenna
### Dielectric Antenna
- **Center Frequency:** 1575.42 MHz
- **VSWR:** 1.5:1
- **Impedance:** 50 Ohm
- **Band Width:** +5 MHz
- **Peak Gain:** 3dBi based on 7x7cm ground plane
- **Gain Coverage:** 4dBi at 90°
- **Polarization:** RHCP

### 4G Antenna
- **VSWR:** 2.0:1
- **Impedance:** 50 Ohm
- **Typical Gain:** 2dBi

### LNA/Filter
- **LNA Gain (Without cable):** 28dBi (Typical)
- **Noise Figure:** 1.5dB
- **VSWR:** <2.0
- **DC Voltage:** 2.7 to 5.0V
- **DC Current:** 11 Max mA

### Environmental Specifications
- **Working Temperature:** -40°C - +85°C
- **Storage Temperature:** -45°C - +100°C
- **Weatherproof:** 100%

### Mechanical Specifications
- **Dimensions:** H16 x 75mm Ø
- **Cable:** RG174
- **Connector:** SMA Male
- **Mounting:** Screw with rubber pad

### Ordering Details
<table>
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<th>Part Number</th>
<th>Description</th>
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<td>TANGO47/2.5M/SMAM/SMAM/S/S/17</td>
<td>4G/LTE and GPS Combined Panel Mount Antenna, SMA Male Connector</td>
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