Tango 6A
Combined 2G/GPRS & GPS Fin Antenna

Key Features
- Quad band 2G
- GSM 2dBi Peak Gain
- 28dB GPS LNA gain

General Description
The Tango 6A is solid shark-fin antenna combining a quad band 2G and a GPS antenna into a single package. Providing a simple solution without the inconvenience of installing two separate antennas, saving installation time and cost.

Tango 6A is commonly used for applications such as asset tracking and fleet management.

The antenna comes supplied as standard with 3 or 4m cables and SMA Male connectors. Alternative cable lengths and connector types may be specified for volume orders.

Additional Considerations
- Robust ABS design and rubber seal
- Meets all EU compliance criteria for electronic goods
**Electrical Specification**

**GSM Antenna**
- Center Frequency: 850/900/1800/1900 MHz
- VSWR: 2.0:1
- Impedance: 50 Ohm
- Typical Gain:
  - 2dBi+/-1dBi@850MHz
  - 2dBi+/-1dBi@900MHz
  - 1dBi+/-1dBi@1800MHz
  - 1dBi+/-1dBi@1900MHz

**GPS Dielectric Antenna**
- Center Frequency: 1575.42
- VSWR: 1.5:1
- Impedance: 50 Ohm
- Peak Gain: 3dBi (based on 7x7cm ground plane)
- Gain Coverage: 4dBi at -90°
- Polarization: RHCP

**GPS LNA**
- LNA Gain: 28dBi Typical
- Noise Figure: 1.5dB
- VSWR: <2.0
- DC Voltage: 2.7 - 5.0V
- DC Current: 11 mA Max

**Mechanical Specification**
- Dimensions: L84 x W54 x H65mm
- Connector: SMA Male
- Cable: RG174
- Mounting Hole: 14mm
- Max Material Thickness: 3mm

**Environmental Specification**
- Operating Temperature: -40 - +85°C
- Storage Temperature: -45 - +100°C
- Humidity: 95 - 100% RH

**Ordering Details**

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<thead>
<tr>
<th>Part Number</th>
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<tr>
<td>TANGO6A/3M/SMAM/SMAM/S/S/20</td>
<td>Combined 2G/GPRS &amp; GPS Fin Antenna 3m Cable 2 x SMA Male</td>
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