Siretta
Enabling Industrial IoT

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

T Through | 2G GSM | GPS Position

Registered in England No. 08405712
VAT Registration No. GB163 04 0349

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Rev 1.5

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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

Part Number	Description
TANGO6A/3M/SMAM/SMAM/S/S/20	Combined 2G/GPRS & GPS Fin Antenna 3m Cable 2 x SMA Male
TANGO6A/4M/SMAM/SMAM/S/S/20	Combined 2G/GPRS & GPS Fin Antenna 4m Cable 2x SMA Male

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