



Tango 15

Low Profile, GSM(2G)/3G/GPS Combined Antenna



Key Features

- Combined GSM & GPS Functionality
- Quad Band GSM/GPRS & 3G
- Screw/Through-Hole Mount Antenna
- GSM Gain 2.5dBi; GPS LNA Gain 25dB

General Description

The Tango 15 is a low profile, robust and vandal resistant antenna suitable for outdoor equipment like vending machines, traffic light systems, automotive and many other types of GPS applications.

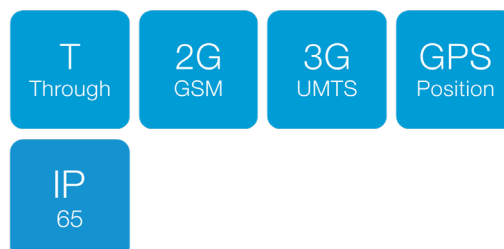
The Tango 15 is designed for semi-covert applications where the antenna is best out of sight. Operating on GSM & 3G.

This antenna combines an active GPS antenna with an LNA (Low Noise Amplifier) so it can be used with GPS applications as well as cellular.

The antenna can be supplied with alternative cable lengths or connector types for volume orders.

Additional Considerations

- Compatible worldwide with any cellular GSM application
- Perfect for covert applications
- Vandal resistant
- Dual mounting – adhesive and screw mount
- **Blue heat shrink for GPS cable**
- **Black heat shrink for GSM/GPRS/UMTS cable**





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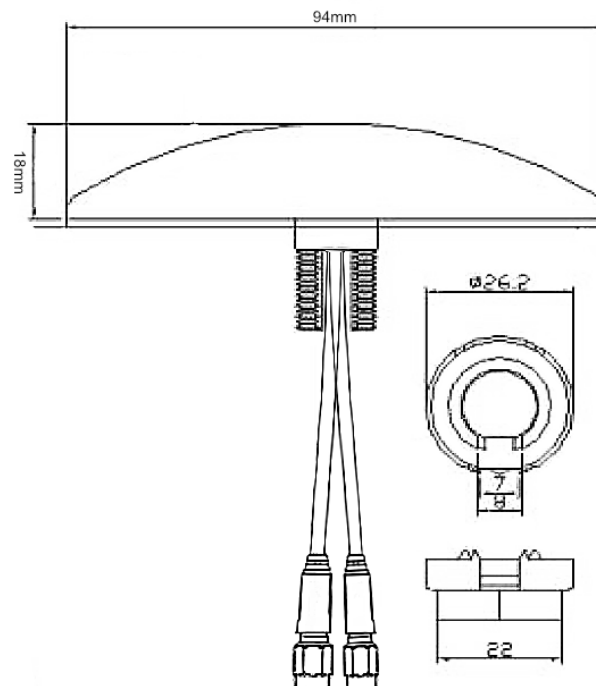
Key Specifications - Electrical

Temperature range:	-40 to +85°C
Impedance:	50ohm
VSWR:	<2.0:1
Average GSM Gain	2.5dBi
GPS (LNA) Gain	25dB
Voltage and supply current:	3 - 5V DC 25mA typical
Operating frequency:	GSM/GPRS 890-960 /1710-1880MHz 3G 2100MHz GPS 1575.42MHz
Polarisation:	GSM – Vertical / GPS – RHCP

Key Specifications - Mechanical

Dimensions:	ø94 x18mm
Cable:	RG174 1m/3m

Dimensions



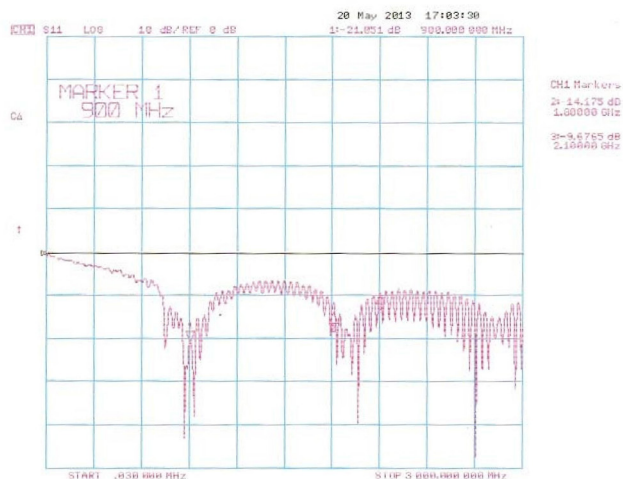


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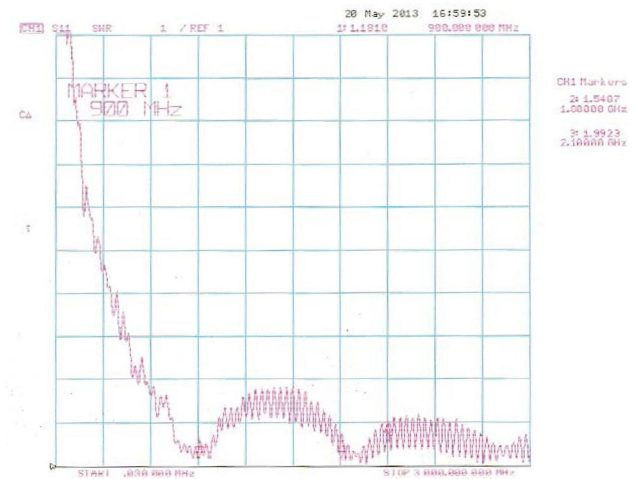
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Test Reports

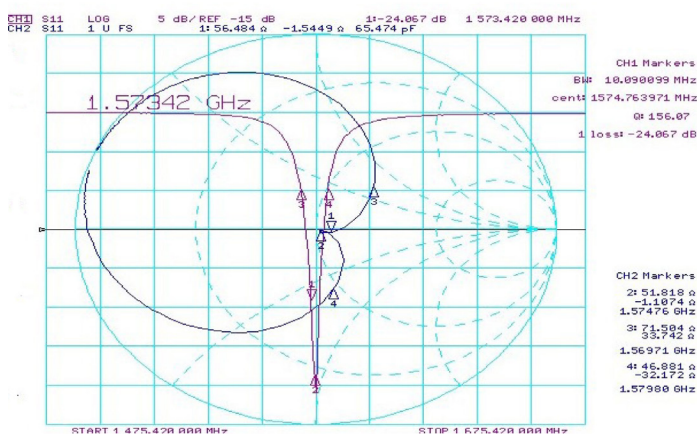
GSM Return Loss Graph



GSM VSWR Graph



GPS Return Loss Graph



Ordering Details

Part Number	Description
TANGO15/3M/SMAM/SMAM/S/S/22	GSM/GPS Combined Bolt Through Antenna, 3M Cable, SMA Male Connector
TANGO15/5M/SMAM/SMAM/S/S/22	GSM/GPS Combined Bolt Through Antenna, 5M Cable, SMA Male Connector

Mouser Electronics

Authorized Distributor

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[TANGO15/3M/SMAM/SMAM/S/S/22](#) [TANGO15/5M/SMAM//SMAM/S/S/22](#)