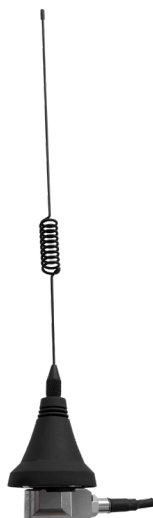




Tango 18

GSM/GPRS & 3G 1/2 Wave Whip Antenna



Key Features

- Quad Band GSM & 3G
- High gain of 4 dBi
- Suitable for automotive applications

General Description

The Tango 18 is a 1/2 wave omni directional antenna with a high gain of 4dBi.

The right angle base has a through hole screw thread that can be mounted on a surface up to 4mm thick.

A common use for this antenna is to improve the cellular GSM & 3G signal strength, either in static or motion based applications. In areas with a weak signal the benefits of the 1/2 wave antenna gain will prove invaluable for keeping applications on line.

Available as standard with an SMA Male connector. Alternative cable lengths and connector types may be specified for volume orders.

Additional Considerations

- Improves cellular GSM & 3G signals for mobile or stationary applications
- Omni directional
- Meets all EU compliance criteria for electronic goods





Tango 18

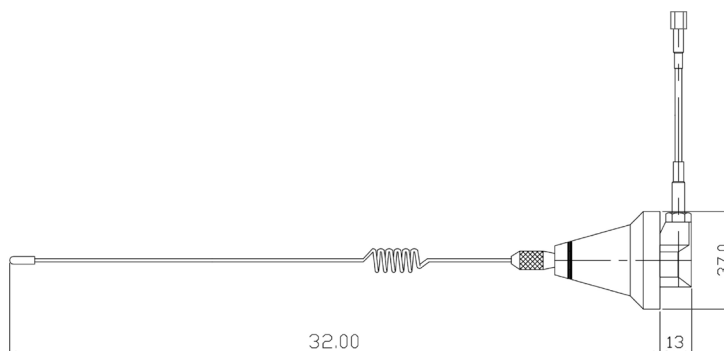
GSM/GPRS & 3G 1/2 Wave Whip Antenna

Electrical Specifications

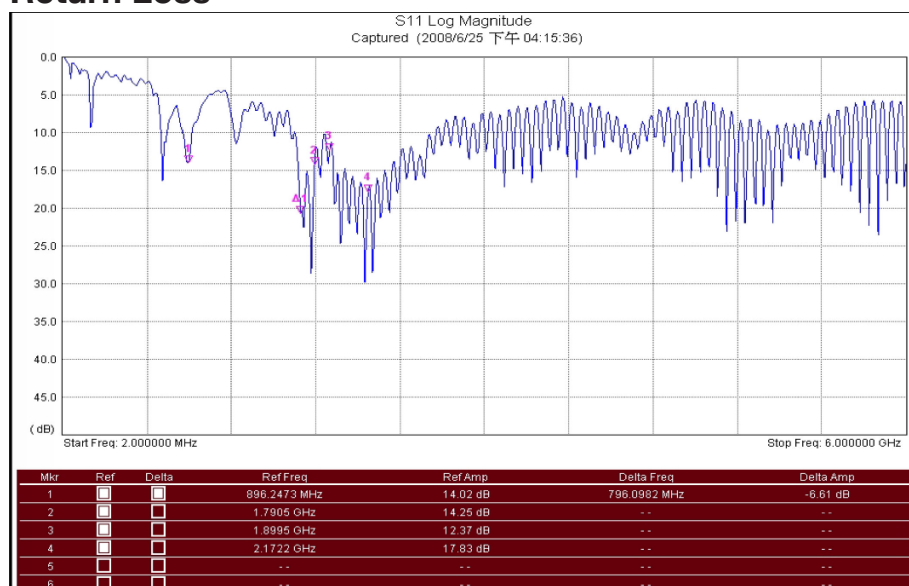
Temperature Range:	-40 - 85°C
Humidity:	40 to 95% RH
Impedance:	50 Ohm
Peak Gain:	4dBi
VSWR:	<1.8:1
Frequency Range:	850/ 900/ 1800/ 1900/ 2170MHz
Polarization:	Linear vertical
Max Power	50W

Mechanical Specifications

Dimensions:	L320mm Ø
Cable:	RG174
Connector:	SMA Male
Through hole dimension:	13mm
Clearance needed for underside of panel to which antennas bolted:	13mm



Return Loss

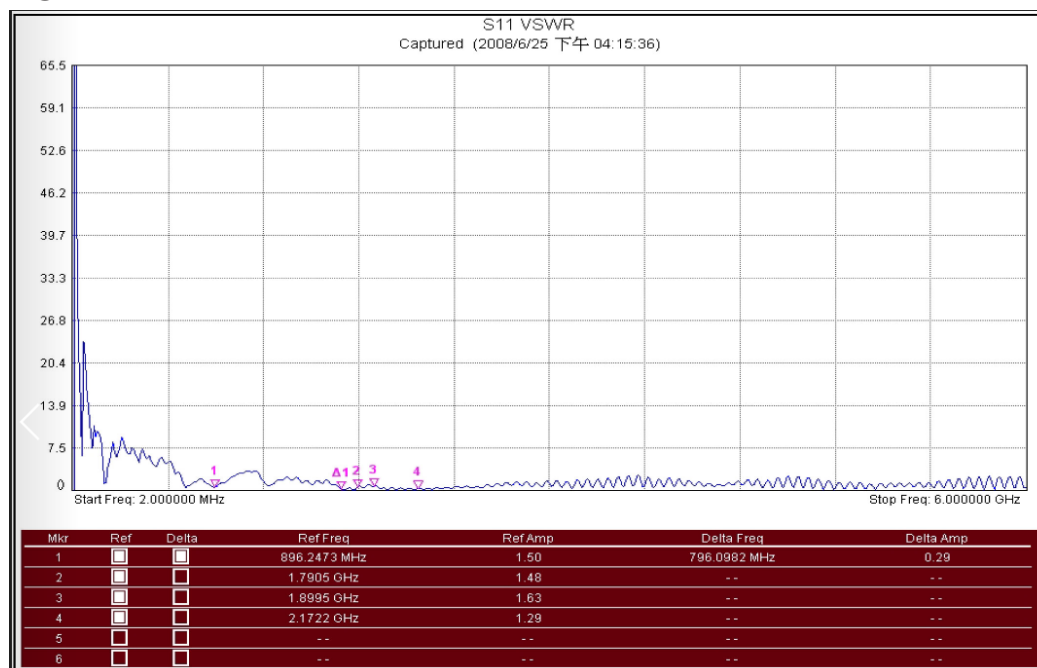




Tango 18

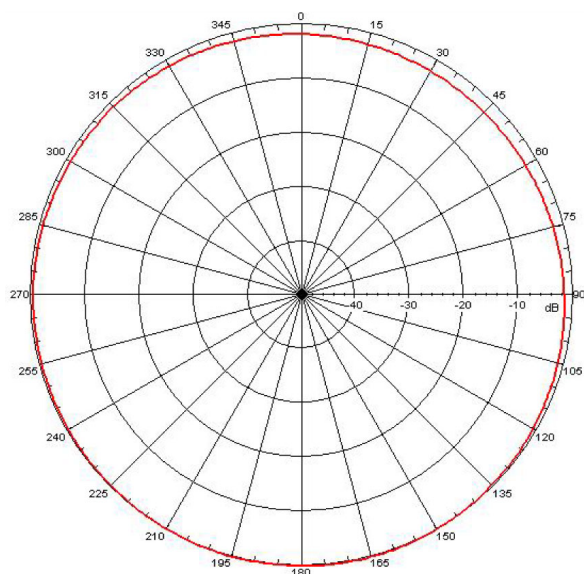
GSM/GPRS & 3G 1/2 Wave Whip Antenna

VSWR

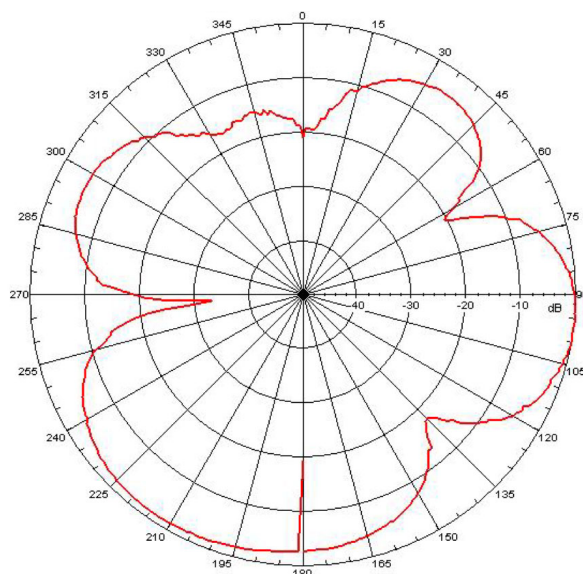


Radiation Patterns

H Plane



E Plane



Tango 18

GSM/GPRS & 3G 1/2 Wave Whip Antenna

Tango 18 Mechanics



Ordering Details

Part number	Description
TANGO18/SMAM/3M/S/S/19	GSM/GPRS & 3G 1/2 Wave Whip Antenna

Mouser Electronics

Authorized Distributor

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