



Tango 27

Quad Band 2G (GPRS)/3G/4G Puck Antenna

Key Features

- Quad band 2G/GPRS and 3G
- Small puck design
- Ground plane independent



General Description

The Tango 27 antenna is a compact, versatile, weather resistant, quad band 2G/GPRS and 3G antenna with a 2dBi peak gain and some 4G band coverage.

The Tango 27 is ideal for use on high sided vehicles or for external use with IoT devices in unmanned locations.

It is supplied with a 2.5M cable and SMA male connector. Custom cable lengths and connector types can be specified for volume orders.

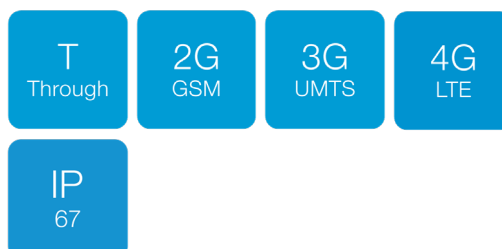
Additional Considerations

- Housed in a robust ABS, weather resistant casing
- Does not require placement on a metallic surface
- Meets all EU compliance criteria for electronic goods
- Best for cellular signal coverage in the following bands

2G Band 9 (E-GSM-900)

3G Band 8 (E-GSM-900)

4G Band 20 (800)



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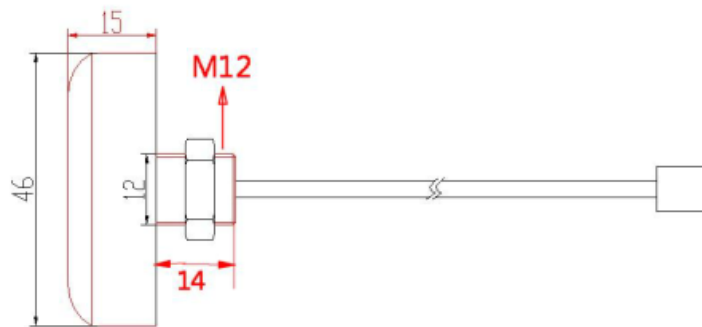
Electrical Specifications

Operating Temperature:	-30 - +75°C
Storage Temperature:	-30 - +75°C
Impedance:	50 Ohm
Peak Gain:	2.16dBi
VSWR:	≤ 2.1
Max Input Power:	35W
Polarization:	Vertical

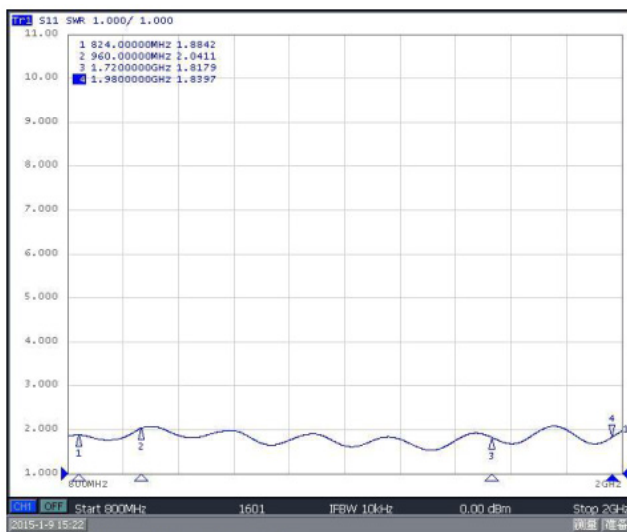
Operating Frequencies: 2G: 850, 900, 1800, 1900MHz
3G: 2100MHz
4G - 800MHz

Mechanical Specifications

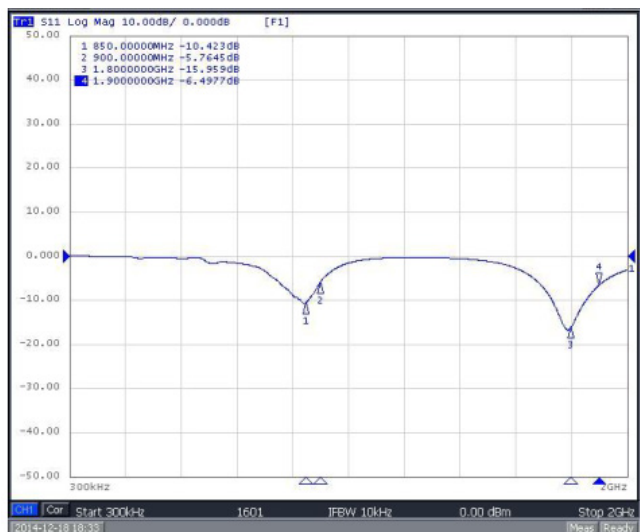
Dimensions:	46 Ø x H15mm
Connector:	SMA Male
Cable:	RG174
Housing material:	ABS
Mounting Method:	M12 Screw
Base:	Adhesive
Maximum Material Thickness:	8mm



VSWR



Return Loss

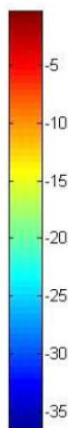
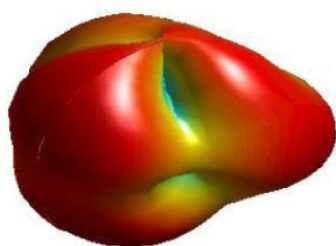




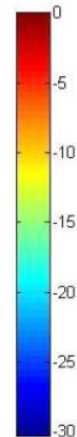
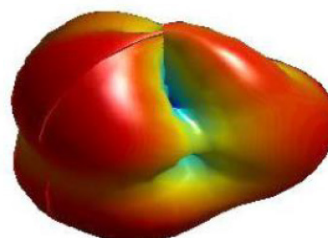
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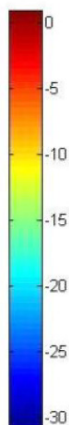
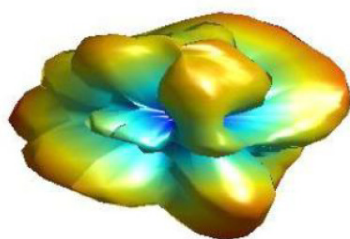
868MHz
Freq = 0.8700GHz Az= 45 EL= 45



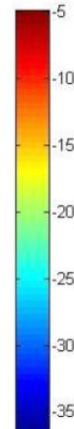
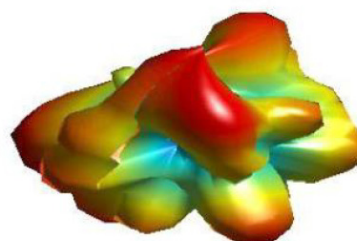
900MHz
Freq = 0.9GHz Az= 45 EL= 45



1800MHz
Freq = 1.8GHz Az= 45 EL= 45



1900MHz
Freq = 1.9GHz Az= 45 EL= 45



Ordering Details

Part number

Description

TANGO27/2.5M/SMAM/S/S/17

Quad Band 2G GSM/GPRS 3G and 4G Puck Antenna

Mouser Electronics

Authorized Distributor

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