Siretta
Enabling Industrial IoT

Tango 20

GPS Puck Antenna

Key Features

- Vandal resistant
- 28dB LAN gain
- Puck design for secure mounting

General Description

The Tango 20 is a compact, puck shaped antenna that is tuned to the 1575.42MHz GPS frequency.

The Tango 20 can be mounted securely inside or outside making this antenna suitable for a host of different GPS applications including: vehicle/ fleet/asset tracking, mobile applications or general positioning purposes.

The built in Low Noise Amplifier (LNA) provides 28dB gain for strong signal reception from visible satellites, and influences a shorter time to fix to the satellites allowing applications to run quickly.

The antenna comes as standard with an SMA Male connector. Alternative cable lengths and connectors types can be fitted for volume orders.

Additional Considerations

- Reduced time for satellite fix
- High performing antenna

T Through

GPS Position

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

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Electrical Specifications
Dielectric Antenna

Frequency range:	1575.42 ±1 MHz
VSWR:	<1.5
Polarization:	RHCP
Gain:	2dBic (Zenith)
Impedance:	50 Ohm
Axial Ratio	3dB Max

Mechanical Specifications

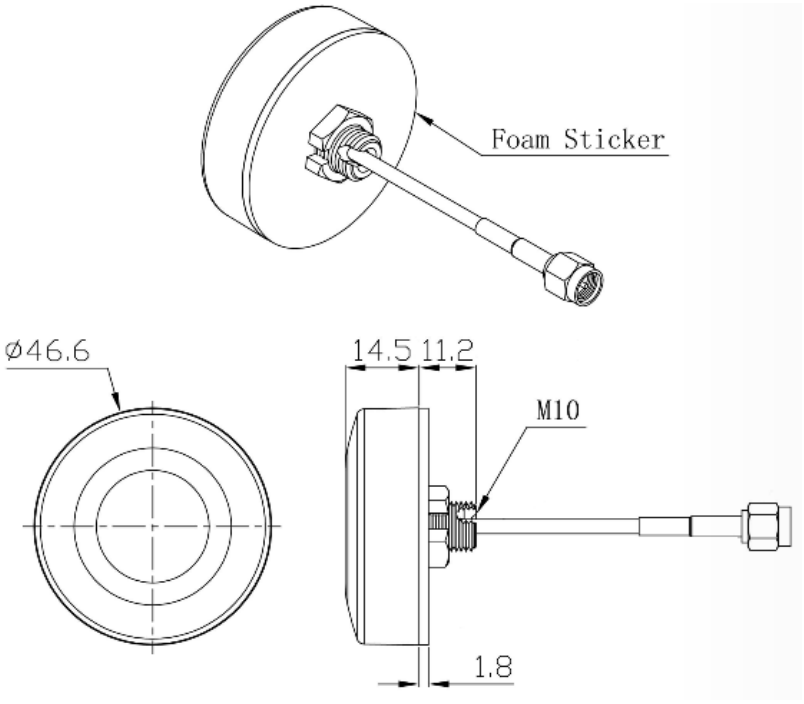
Dimensions:	L46 Ø H14.5mm
Cable:	RG174
Connector:	SMA Male
Material:	ABS
Mounting Method:	M10 Screw
Maximum Material Thickness:	4.5mm

GPS Antenna

Gain:	28dB
Noise Figure:	<1.5
Ex-band Attenuation:	12dB@CF+50MHz 16dB@CF-50MHz
Supply Voltage:	2.2 - 5V DC
Current Consumption:	5 - 15mA
VSWR:	<2.0

Environmental Specifications

Operating Temperature:	-40 - +85°C
Relative Humidity:	Up to 95%



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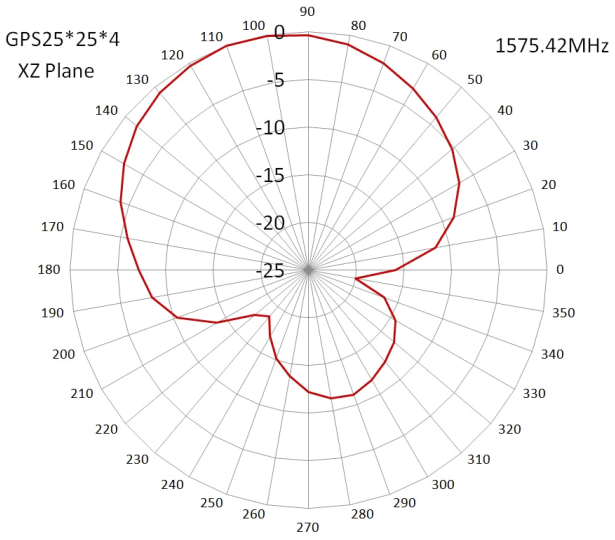
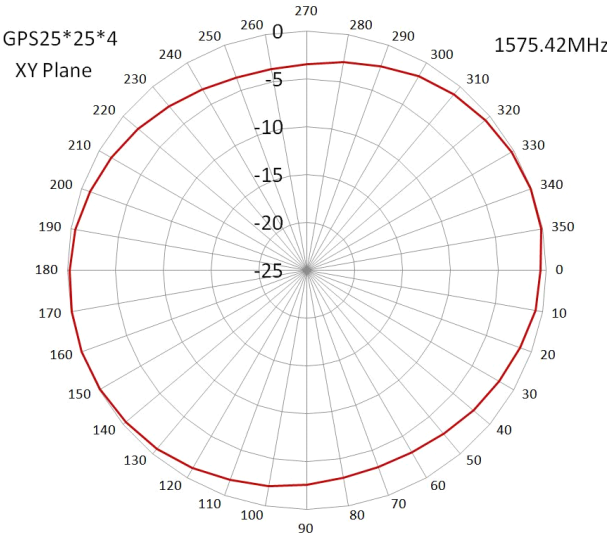
Radiation Patterns

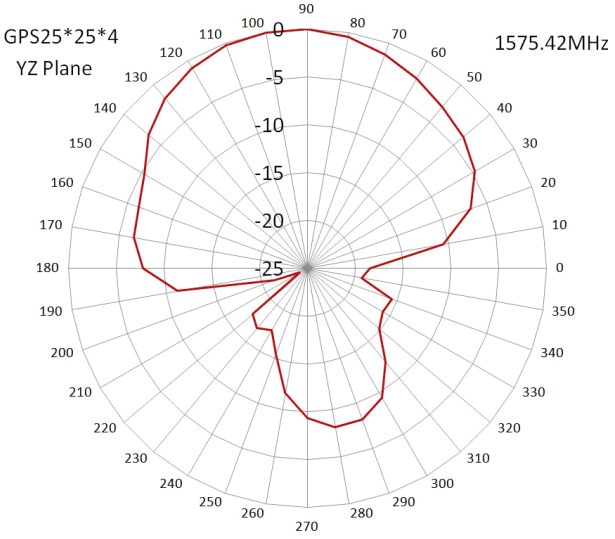
XZ Plane



XY Plane



YZ Plane



Ordering Details

Part Number	Description
TANGO20/3M/SMAM/S/S/26	GPS Puck Antenna

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