



#### Key Features

- Quad band GSM & 3G frequencies
- Right angle orientation
- 2dBi gain
- 51mm length - compact size
- Low cost
- Robust construction
- RoHS compliant

#### General Description

The Delta 2D is a low cost direct connect, stubby antenna tuned to the quad band GSM / GPRS and 3G frequencies and built with a straight connector. Despite its small size of 51mm in length, it still performs at a high level that most stubby antennas cannot compete with. The Delta 2D offers a small and compact, cable-free antenna solution that is capable of being used in extreme temperatures given its very wide operating temp range.

The Delta 2D is commonly used for applications such as: car park metering, utilities metering, road traffic monitoring and numerous other M2M applications communicating via GSM and/or 3G & ISM frequencies.

The Delta 2D is robustly made, making this antenna usable as a very mainstream performer. Its wide operating frequency band allows for worldwide cellular applications over the quad band GSM / GPRS networks and also high data transfer rates via 3G / UMTS. The Delta 2D has a general gain of 2 dBi, a respectable benchmark for such a small antenna.

The Delta 2D is supplied, as standard, with an SMA male connector.

#### Additional Considerations

- Ensures antenna can be discretely mounted
- Fits to many popular GSM / GPRS and 3G / UMTS terminal equipment
- Designed for GSM system, Wireless bridge or M2M systems
- Point to point and Point to multipoint applications
- Does not rely on mounting on metallic surface
- Meets all EU compliance criteria for electronic goods

Rev 1.0

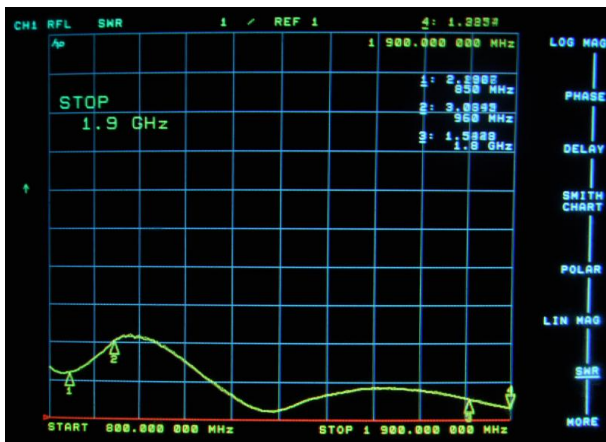
#### Key Specifications - Electrical

Operating temperature range:	-40 to +85°C
Storage temperature range:	-40 to +85°C
Impedance:	50 ohm
Gain:	2.0dBi
VSWR:	2.0 Max
Operating frequencies:	GSM: 800, 900, 1800, 1900MHz 3G: 2100MHz
Radiation:	Omni
Polarization:	Linear

#### Key Specifications - Mechanical

Dimensions:	52 x 10.4mm
Connector:	SMA male, SMA RP
Mounting method:	Direct connect
Connector plating:	Gold/Nickel

#### Test Results



#### Ordering Details

Part Number	Description
DELTA2D/x/SMAM/S/S/34	Right Angle Stubby Quad Band GSM & 3G Antenna, SMA Male