



### Key Features

- Quad band GSM & 3G
- ISM: 868 and 915MHz
- 56mm
- SMA male connector
- Groundplane independent
- RoHS compliant

### General Description

The Delta 1A Multiband antenna combines good performance in a small size, enabling its use with many of today's GSM / GPRS, 3G and ISM products.

Terminated with an SMA male connector, it is ideally suited to applications requiring a simple, cable free set up, such as Point of Sale, metering or alarm panel equipment; as well as being a popular addition to radio manufacturers evaluation kits.

The omni directional, radiating element is over moulded in black high-grade rubber which allows flexibility and provides a rugged stylish finish, ensuring years of reliable use.

The Delta 1A is a popular antenna for customers requiring a straightforward to fit, versatile product, that is qualified and used with many of today's GSM / GPRS and 3G / UMTS terminals and manufacturers of wireless communication equipment.

### Additional Considerations

- Ensures antenna can be discretely mounted
- Fits to many popular GSM / GPRS and 3G / UMTS terminal equipment
- Does not rely on mounting on metallic surface
- Meets all EU compliance criteria for electronic goods

Rev 1.4

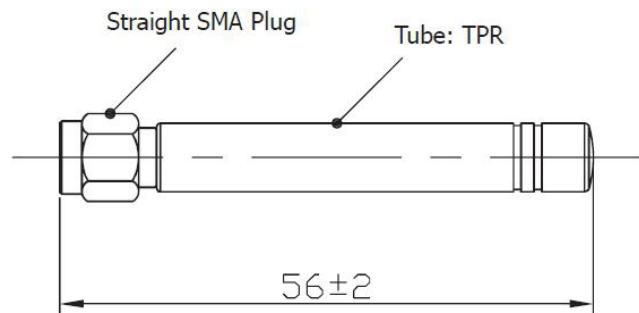
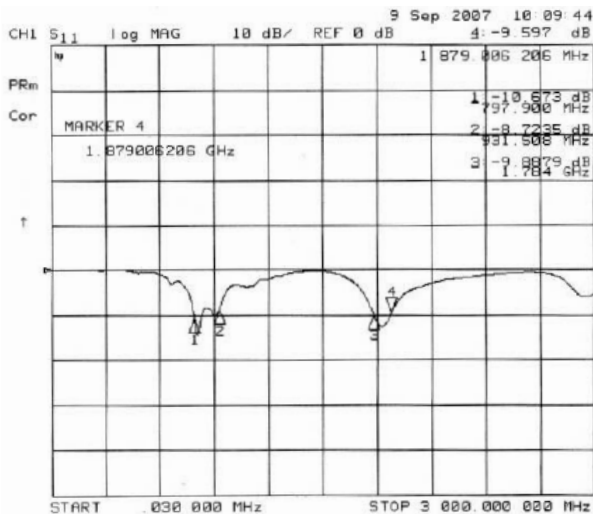
#### Key Specifications - Electrical

|                        |   |
|------------------------|---|
| Impedance:             | 50 ohm  |
| Gain:                  | 2.0dBi  |
| VSWR:                  | 2.0 max @ 800 - 900 /<br>1700 - 1880MHz<br><3.0 @ 2100MHz       |
| Operating frequencies: | GSM: 800, 900, 1800, 1900MHz<br>3G: 2100MHz<br>ISM: 868, 915MHz |
| Electrical wave:       | 1/2λ, Dipole  |
| Radiation:             | Omni  |
| Polarization:          | Vertical  |

#### Key Specifications - Mechanical

|                              |                |
|------------------------------|----------------|
| Operating temperature range: | -20 to +60°C   |
| Storage temperature range:   | -30 to +75°C   |
| Dimensions:                  | 56mm           |
| Connector:                   | SMA male       |
| Mounting method:             | Direct connect |
| Connector plating:           | Gold/Nickel    |

#### Key Specifications - Electrical



#### Ordering Details

| Part Number        | Description                                 |
|--------------------|---|
| DELTA1A/X/SMAM/S/S | Stubby Quad Band GSM & 3G Antenna, SMA Male |