



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Key Features

- Compact size
- Flexible connector and cable options
- Wide frequency range
- Panel mounted
- RoHS compliant



General Description

The Siretta through hole mount whip antenna combines an efficient performance at ¼ wave in tri band GSM/GPRS, & 3G/UMTS frequencies.

Ideally suited to industrial and automotive applications, it can be mounted to panels up to 4mm thick and is manufactured with an O ring seal to prevent moisture ingress once installed. The ruggedised, 2 stage whip element is overmoulded using high grade rubber ensuring years of reliable performance.

The brass foot has a ridged topside allowing secure fitting to the enclosure and a 6mm diameter screw thread for mounting the whip. A wide range of cable and connector options are available with this antenna and are listed overpage.

Additional Considerations

- 76mm x 29mm including metal foot
- Allows easy selection and quick integration into target application (please refer to options table below)
- For permanent installations
- Meets all EU compliance criteria for electronic goods

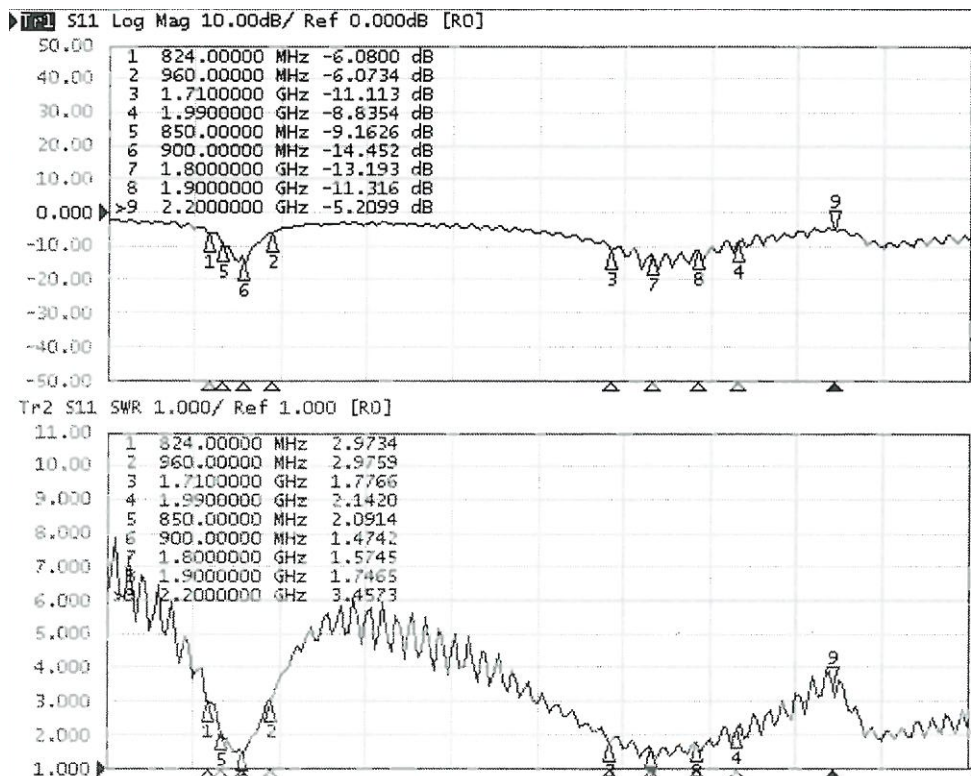
Electrical Specifications

| | |
|------------------------|--|
| Temperature range: | -40 to 85°C |
| Impedance: | 50 ohm |
| Gain: | Unity gain |
| VSWR: | <2:1 |
| Operating frequencies: | GSM / GPRS - 900, 1800, 1900MHz 3G - 2.1GHz |
| Polarization: | Vertical |
| Radiating element: | ¼ wave dipole |

Mechanical Specifications

| | |
|------------------|--|
| Dimensions: | 76mm x 29mm including brass foot with rubber whip |
| Cable: | RG58 (For standard lengths please refer to options table below) |
| Connector: | Please refer to options table below |
| Mounting method: | Through hole mount (12mm drill hole diameter) |

Graph



Ordering Details

| Part number | Description |
|-------------------------|---|
| TANGO3/0.2M/SMAM/S/S/31 | Through Hole Mount GSM / GPRS / 3G Antenna, 200mm Cable, SMA Male Connector |
| TANGO3/0.5M/SMAM/S/S/31 | Through Hole Mount GSM / GPRS / 3G Antenna, 500mm Cable, SMA Male Connector |
| TANGO3/1M/SMAM/S/S/31 | Through Hole Mount GSM / GPRS / 3G Antenna, 1m Cable, SMA Male Connector |
| TANGO3/3M/SMAM/S/S/31 | Through Hole Mount GSM / GPRS / 3G Antenna, 3m Cable, SMA Male Connector |
| TANGO3/5M/SMAM/S/S/31 | Through Hole Mount GSM / GPRS / 3G Antenna, 5m Cable, SMA Male Connector |
| TANGO3/0.2M/FMEF/S/S/31 | Through Hole Mount GSM / GPRS / 3G Antenna, 200mm Cable, FME Female Connector |
| TANGO3/0.5M/FMEF/S/S/31 | Through Hole Mount GSM / GPRS / 3G Antenna, 500mm Cable, FME Female Connector |
| TANGO3/1M/FMEF/S/S/31 | Through Hole Mount GSM / GPRS / 3G Antenna, 1m Cable, FME Female Connector |
| TANGO3/2M/FMEF/S/S/31 | Through Hole Mount GSM / GPRS / 3G Antenna, 2m Cable, FME Female Connector |
| TANGO3/3M/FMEF/S/S/31 | Through Hole Mount GSM / GPRS / 3G Antenna, 3m Cable, FME Female Connector |
| TANGO3/5M/FMEF/S/S/31 | Through Hole Mount GSM / GPRS / 3G Antenna, 5m Cable, FME Female Connector |