

## Alpha 18

Quad Band GSM / GPRS & 3G Dipole Antenna



### Key Features

- Quad band GSM / GPRS and 3G 2100 MHz
- Dipole
- Housed in a robust ABS casing for wide range climatic and operational environments
- Adhesive base
- Low profile design
- Ground plane independent

### General Description

The Alpha 18 is a low profile dipole antenna, delivering high performance across global GSM/GPRS and 3G 2100MHz frequencies. Ideal for applications that require a low profile GSM antenna with simple and secure mounting. The Alpha 18 is supplied with a 2M cable and SMA male connector. Custom cable lengths and connector types are available for volume orders.

### Additional Considerations

- Operates on global GSM/GPRS networks as well as 3G 2100MHz
- Housed in a robust ABS casing for wide range climatic and operational environments
- For secure, permanent fixing
- Does not require additional placement on metallic surface
- Meets all EU compliance criteria for electronic goods

# Alpha 18

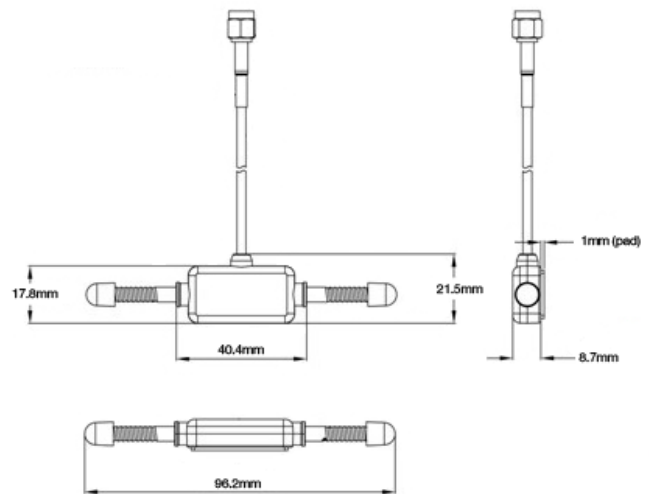
Quad Band GSM / GPRS & 3G Dipole Antenna

## Electrical Specifications

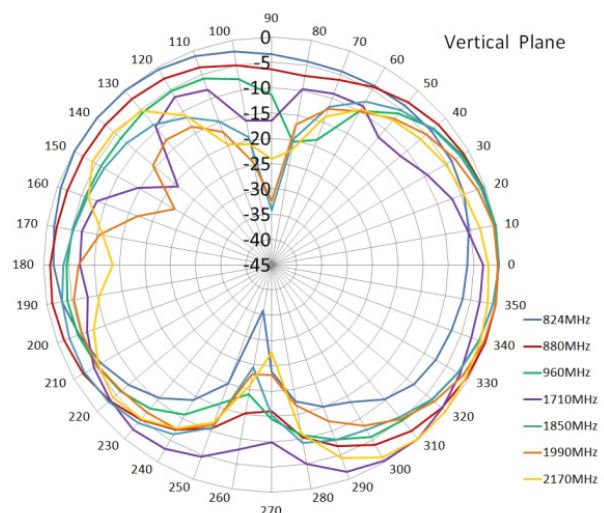
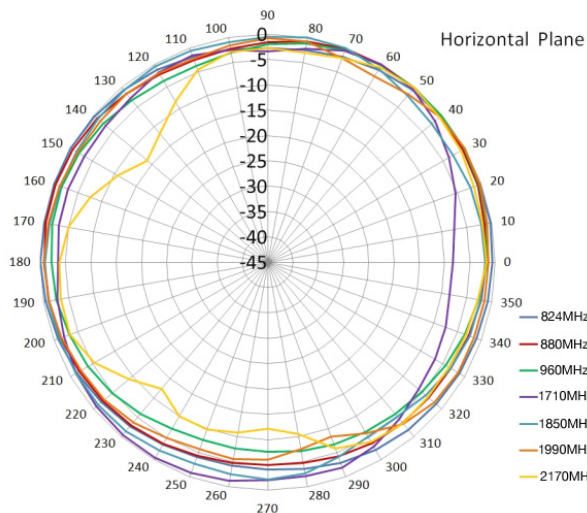
Operating Temperature:	-40°C - +85°C
Impedance:	50 Ohm
Peak Gain:	3dBi
VSWR:	<2.0
Operating Frequencies:	Quad Band GSM / GPRS: 850, 900, 1800, 1900MHz 3G: 2100MHz
Polarization:	Linear

## Mechanical Specifications

Dimensions:	96.2 x 21.5 x 9.7mm
Cable:	RG174



## Radiation Plots



## Ordering Details

Part Number	Description
ALPHA18/2.5M/FMEF/S/S/26	Quad Band GSM and 3G Adhesive Antenna, 2.5m Cable, FME Female Connector
ALPHA18/3M/SMAM/S/S/26	Quad Band GSM and 3G Adhesive Antenna, 3m Cable, SMA Male Connector