



Alpha 18 Quad Band GSM / GPRS (2G) & UMTS (3G) Dipole Antenna

Key Features

- Quad band GSM / GPRS (2G) and UMTS (3G)
- Dipole
- 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 (2G) and UMTS (3G) frequencies.

The dipole design generates a good peak gain response ideal for areas with medium signal strength.

The Alpha 18 is supplied with a 3m cable and SMA male connector or 2.5m FME Female connector as standard. Custom cable lengths and connector types are available for volume orders.

Additional Considerations

- Housed in a robust ABS casing for wide range climatic and operational environments
- Does not require additional placement on metallic surface
- Meets all EU compliance criteria for electronic goods



sales

email

web

fax

Siretta Ltd Basingstoke Road Spencers Wood Reading Berkshire RG7 1PW +44(0)118 976 9014 +44(0)118 976 9020 sales@siretta.com www.siretta.com





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Electrical Specifications Mechanical Specifications Operating Temperature: -40°C - +85°C Dimensions: 96.2 x 21.5 x 9.7mm Impedance: 50 Ohm Cable: RG174 Peak Gain: 3dBi T ПП VSWR: <2.0 Operating Frequencies: Quad Band (2G) GSM / GPRS: 850, 900, 1800, 1900MHz 3G UMTS: 2100MHz Polarization: Linear Tunna vnm 40.4mm 11_10 96.2mm **Radiation Plots** 100 100 0 110 Horizontal Plane Vertical Plane 110 70 120 120 60 -5 130 130 -10 50 -10 -15 -15 40 -20 20 15 150 -25 -25 160 -30 160 -30 20 -35 -35 170 170 -40 -40 180 45 -45 180 190 190 350 824MHz -824MHz 200 880MHz 340 200 880MHz 960MHz 960MHz 210 210 -1710MHz -1710MHz 220 320 220 320 -1850MHz -1850MHz 230 310 230 310 -1990MHz -1990MHz 240 300 240 300 -2170MHz -2170MHz 250 290 250 290 260 280 280 260 270 270 **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 Quad Band GSM and 3G Adhesive Antenna, 3m Cable, SMA Male Connector

ALPHA18/3M/SMAM/S/S/26

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

Siretta Ltd Basingstoke Road Spencers Wood Reading Berkshire RG7 1PW

sales

email

web

fax

+44(0)118 976 9014 +44(0)118 976 9020 sales@siretta.com www.siretta.com

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