



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

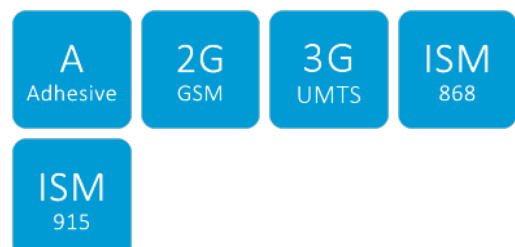
The Alpha 18 is a low profile dipole antenna, delivering high performance across global GSM/GPRS (2G) and UMTS (3G) frequencies.

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



Alpha 18

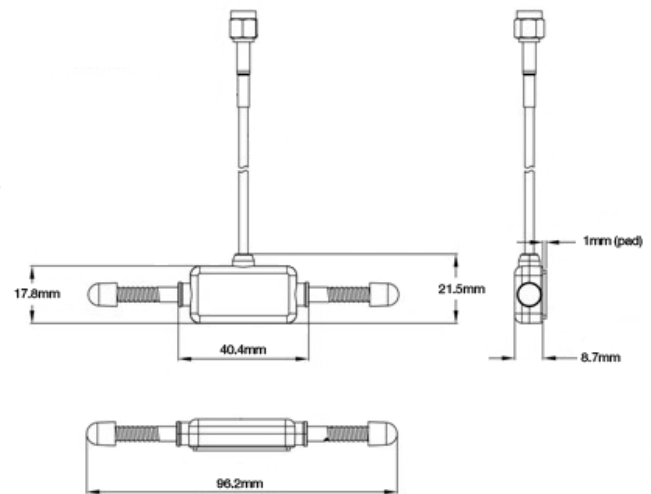
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Electrical Specifications

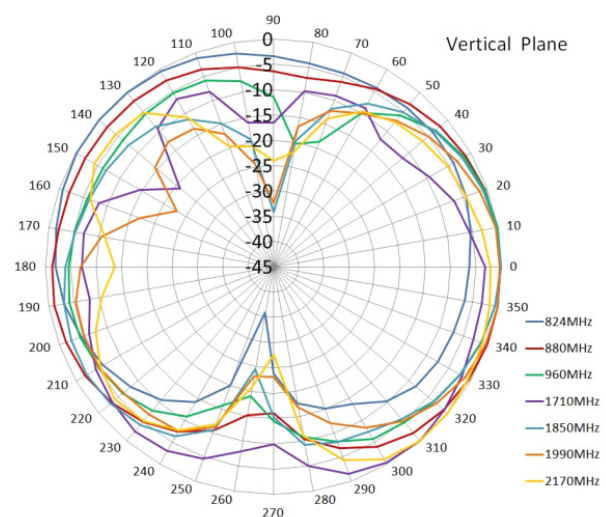
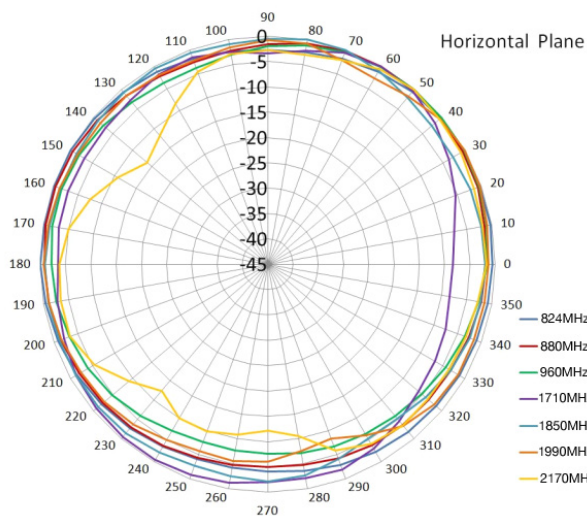
Operating Temperature:	-40°C - +85°C
Impedance:	50 Ohm
Peak Gain:	3dBi
VSWR:	<2.0
Operating Frequencies:	
Quad Band (2G) GSM / GPRS:	850, 900, 1800, 1900MHz
3G UMTS:	2100MHz
Polarization:	Linear

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

Mouser Electronics

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