Siretta
Inspired Wireless M2M Technology

Alpha 8

Quad Band GSM/GPRS & 3G Waterproof Antenna



Key Features

- Waterproof design
- Quad band GSM & 3G
- Various cable and connector options
- Discrete design
- RoHS compliant

General Description

Building on the success of our earlier waterproof blade antenna, this second generation design has been turned to accept 3G frequencies as well as improved reception across the quad band GSM frequencies.

The PCB radiating element has been physically revised too, giving a much lower profile and widening its suitability in a range of applications. With the dipole totally encased in PVC coating which has been heat sealed, its design prevents moisture ingress and is versatile enough to fit in many extreme environments.

Supplied with various cable lengths and connector options, it is a reliable design which is already field proven making it ideal for today's telemetry applications which demand effective performance at a competitive cost.

Additional Considerations

- Fully sealed housing ensures suitability in extreme environments
- Operates on worldwide GSM/GPRS networks and 3G
- Ensures suitability with wide variety of manufacturers equipment
- Low profile and ultra thin design allows installation into many applications
- Meets all EU compliance criteria for electronic goods

Rev 1.2

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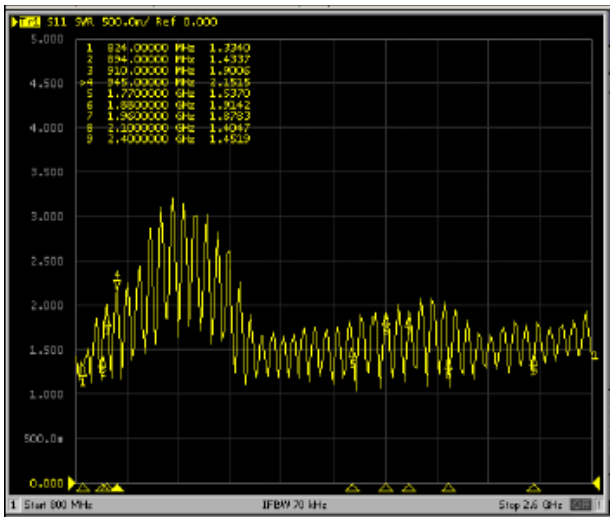
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Key Specifications - Electrical

Temperature range:	-40 to +85°C
Impedance:	50 ohm
Gain:	2dBi
VSWR:	<2:1 across all operating frequncies
Voltage and supply current:	Passive
Operating frequencies:	824 - 960 MHz 1710 - 1880 MHz 1850 - 1990 MHz 2100MHz
Polarization:	Vertical
Radiating element:	End fed dipole

SWR Graph



Key Specifications - Mechanical

Dimensions:	113mm x 21mm x 3mm (without cable)
Cable:	Please refer to options table below
Connector:	Please refer to options table below
Mounting method:	None supplied

Ordering Details

Part number	Description
ALPHA8/1M/SMAM/S/S/1	Waterproof Multiband Antenna, 1M Cable, SMA Male Connector
ALPHA8/3M/SMAM/S/S/1	Waterproof Multiband Antenna, 3m Cable, SMA Male Connector
ALPHA8/1M/FMEF/S/S/1	Waterproof Multiband Antenna, 1m Cable, FME Female Connector
ALPHA8/3M/FMEF/S/S/1	Waterproof Multiband Antenna, 3m Cable, FME Female Connector

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Registered in England No. 08405712
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