Siretta
Inspired Wireless M2M Technology

airCONNECT

Alpha 8

GSM/GPRS/3G & ISM Blade Antenna

Key Features

- Moisture Protection
- Quad band GSM & 3G
- Various cable and connector options
- Discrete design

General Description

Building on the success of our earlier blade antenna, this second generation design has been tuned 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 encased and heat sealed, its design protects against moisture ingress and is versatile enough to fit in many 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.

Alternative cable lengths and connector types can be specified for volume orders.

Additional Considerations

- Sealed housing protects against moisture ingress
- Operates on worldwide GSM/GPRS networks and 3G
- Suitable with a wide variety of manufacturers equipment
- Low profile and ultra thin design allows installation into many applications
- Meets all EU compliance criteria for electronic goods

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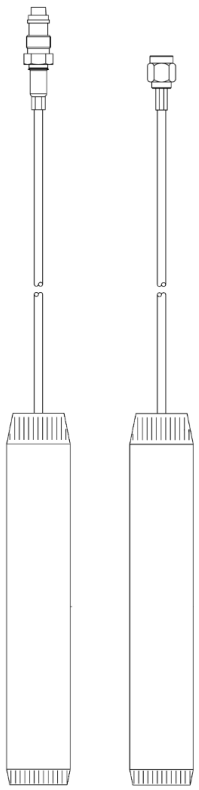
Electrical Specifications

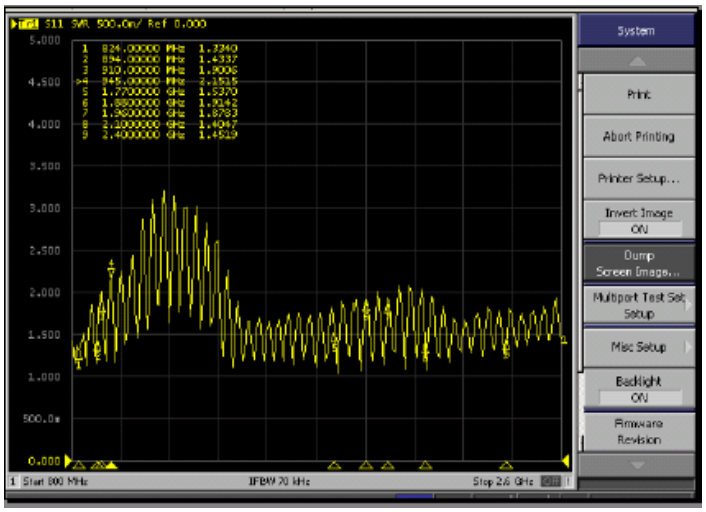
Temperature range:	-40 - +85°C
Impedance:	50 Ohm
Gain:	2dBi
VSWR:	<2.2:1 across all operating frequncies
Operating frequencies:	824 - 960 MHz 1710 - 1880 MHz 1850 - 1990 MHz 2100MHz
Polarization:	Vertical
Radiating element:	End fed dipole

Mechanical Specifications

Dimensions:	113 x 21 x 3mm (without cable)
Cable:	RG174
Connector:	SMA Male / FME Female



VSWR



Ordering Details

Part number	Description
ALPHA8/1M/FMEF/S/S/11	GSM/GPRS/3G & ISM Blade Antenna
ALPHA8/1M/SMAM/S/S/11	GSM/GPRS/3G & ISM Blade Antenna
ALPHA8/3M/FMEF/S/S/11	GSM/GPRS/3G & ISM Blade Antenna
ALPHA8/3M/SMAM/S/S/11	GSM/GPRS/3G & ISM Blade Antenna

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