



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Key Features

- Blade dimensions: 117mm x 22mm x 5mm
- RoHS compliant
- 2.5dBi gain (GSM)
- Quad band cellular and 2.1GHz
- Mounts on any non metallic surface

General Description

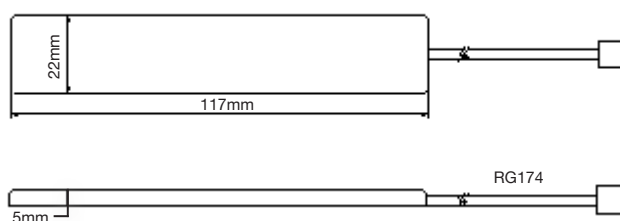
The Siretta Alpha 11 GSM and 3G antennas are based on an efficiently tuned PCB element that is matched with a wide variety of RF and M2M modules, operating on cellular and 3G frequencies. It is designed as a ready to go antenna which fits most telemetry applications.

The Alpha 11 is a competent performer at 2.5dBi gain for GSM. It is also a robust design, not intended to be waterproof but at home in most environments. The Alpha 11 will suit the cost conscious volume applications where a quality product and good performance are required.

With an EndFed cable and measuring 117 x 22mm this version comes with its own adhesive mounting pad and is available with any length cable and connectors. See popular types over page.

Additional Considerations

- Mounts discretely in installation, good for covert use
- Operates on all cellular networks and 3G
- Meets all EU compliance criteria for electronic goods
- Intended for internal to equipment use



Rev 1.3

Key Specifications - Electrical

Operating temperature range:	-40 to +75°C
Impedance:	50 Ohm
Gain:	2.5dBi
VSWR:	≤1.5:1
Max input power:	50W
Voltage and supply current:	Passive
Max input power:	60W
Frequency:	850/900/1800/1900/2100MHz
Polarization:	Vertical

Gain

GSM

850MHz:	-3.91dBi
900MHz:	-2.78dBi
1800MHz:	-0.73dBi
1900MHz:	0.64dBi

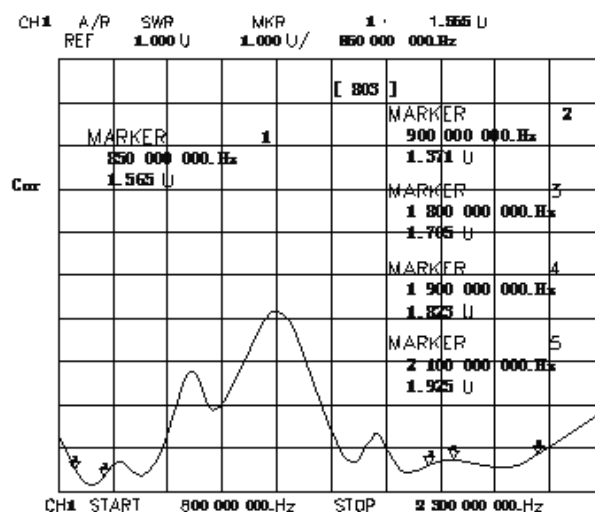
3G

2100MHz:	0.60dBi
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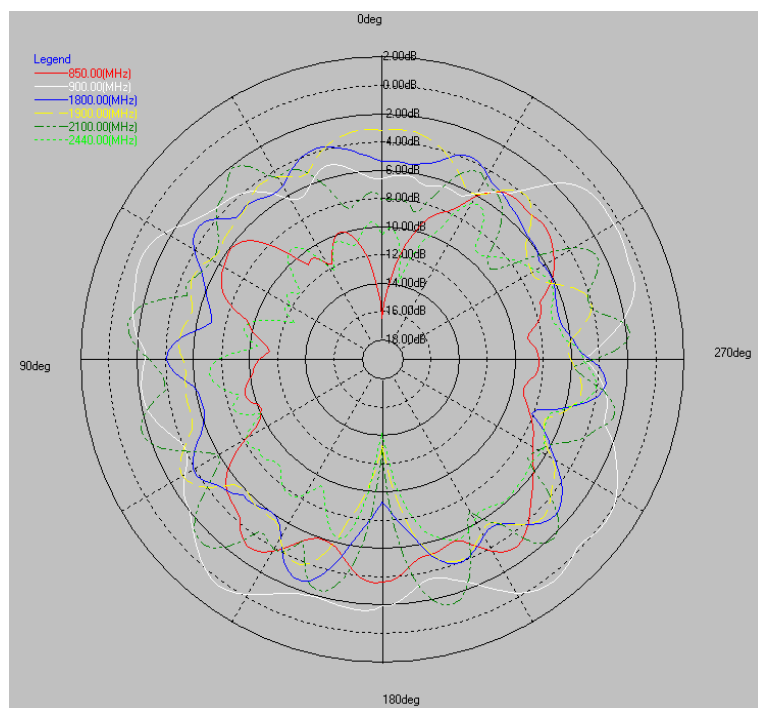
Key Specifications - Mechanical

Dimensions:	117mm x 22mm x 5mm
Cable type:	RG174
Cable length:	According to customer specification
Connector:	According to customer specification
Mounting:	Double sided adhesive

SWR Graph



Gain vs. Frequency Plot



UL Tested (Basingstoke, UK)
Part: ALPHA11/2.5M/SMAM/S/S/20

Ordering Details

Part Number	Description
ALPHA11/3M/SMAM/S/S/20	Adhesive Flat Blade Quad Band GSM/3G Antenna, 3m Cable, SMA Male Connector
ALPHA11/3M/FMEF/S/S/20	Adhesive Flat Blade Quad Band GSM/3G Antenna, 3m Cable, FME Female Connector
ALPHA11/1M/SMAM/S/S/20	Adhesive Flat Blade Quad Band GSM/3G Antenna, 1m Cable, SMA Male Connector
ALPHA11/1M/FMEF/S/S/20	Adhesive Flat Blade Quad Band GSM/3G Antenna. 1m Cable, FME Female Connector
ALPHA11/5M/SMAM/S/S/20	Adhesive Flat Blade Quad Band GSM/3G Antenna, 5m Cable, SMA Male Connector
ALPHA11/5M/FMEF/S/S/20	Adhesive Flat Blade Quad Band GSM/3G Antenna, 5m Cable, FME Female Connector