



Alpha 11

GPRS, 2G, 3G & ISM Flat Blade Antenna



Key Features

- 2.5dBi gain (2G)
- Quad band cellular and 2.1GHz
- Mounts on any non metallic surface

General Description

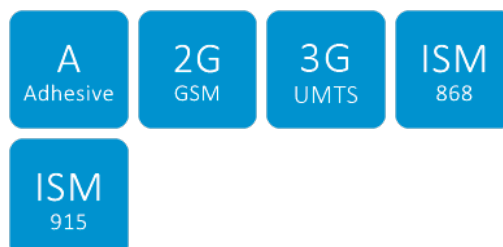
The Alpha 11 is based on an efficiently tuned PCB element that is matched with a wide variety of RF and IoT modules, operating on 2G and 3G frequencies.

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 cost conscious volume applications where a quality product and good performance are required.

Alternative connectors or cable lengths can be specified for volume orders.

Additional Considerations

- Mounts discretely in installation, good for covert use
- Meets all EU compliance criteria for electronic goods
- Intended for internal equipment use



Alpha 11

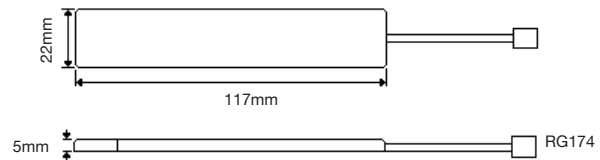
GPRS, 2G, 3G & ISM Flat Blade Antenna

Electrical Specifications

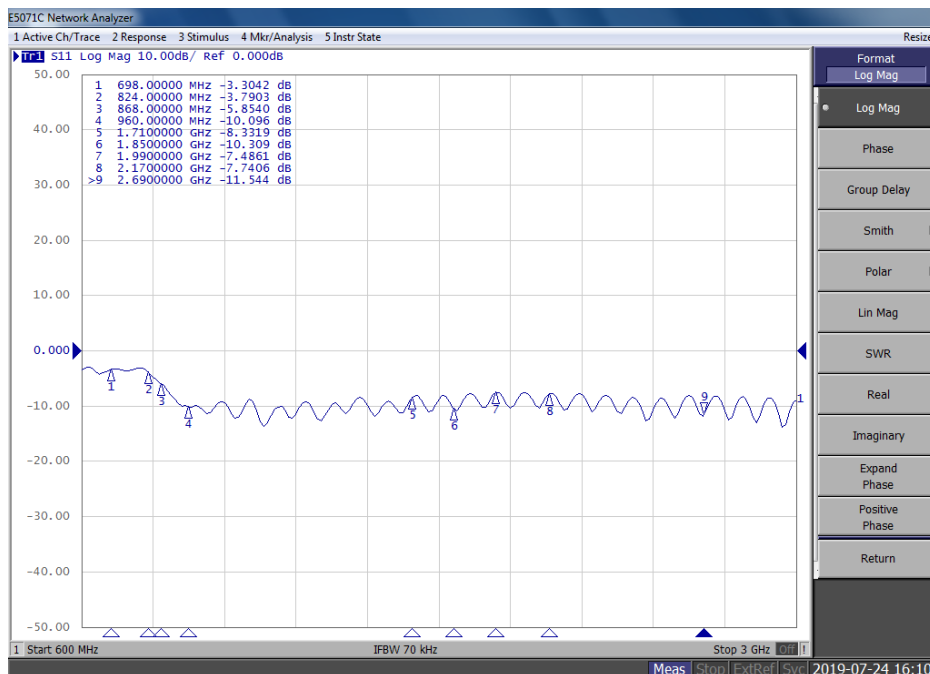
| | |
|------------------------------|---------------------------|
| Operating temperature range: | -40 to +75°C |
| Impedance: | 50 Ohm |
| Gain: | 2.15dBi |
| VSWR: | ≤2.0 |
| Max input power: | 60W |
| Frequency: | 850/900/1800/1900/2100MHz |
| Polarization: | Vertical |

Mechanical Specifications

| | |
|-------------|-------------------|
| Dimensions: | L115 x W22 x H5mm |
| Cable: | RG174 |
| Connector: | SMA Male |
| Mounting: | Adhesive |



Return Loss

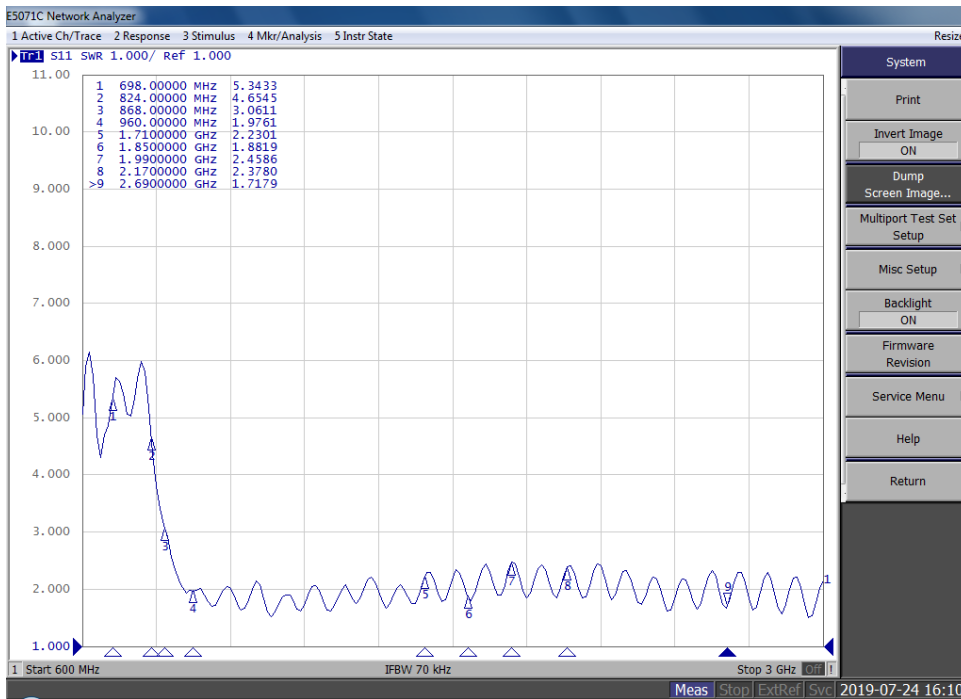




Alpha 11

GPRS, 2G, 3G & ISM Flat Blade Antenna

VSWR



Ordering Details

| Part Number | Description |
|--------------------------|---|
| ALPHA11/1M/SMAM/S/S/20 | GPRS, 2G, 3G & ISM Flat Blade Antenna 1m RG174 SMA Male |
| ALPHA11/2.5M/SMAM/S/S/20 | GPRS, 2G, 3G & ISM Flat Blade Antenna 2.5M RG174 SMA Male |

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siretta:

[ALPHA11/1M/SMAM/S/S/20](#) [ALPHA11/2.5M/SMAM/S/S/20](#)