**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
**Alpha 8**

GSM/GPRS/3G & ISM Blade Antenna

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**Electrical Specifications**

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

**Mechanical Specifications**

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

**Ordering Details**

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