



Alpha 8

GSM/GPRS (2G) UMTS (3G) & ISM Blade Antenna



Key Features

- Quad band GSM/GPRS (2G) & UMTS (3G)
- Discrete design
- ISM 868 and 915MHz

General Description

The Alpha 8 has been tuned for 2G GSM/GPRS and UMTS 3G frequencies.

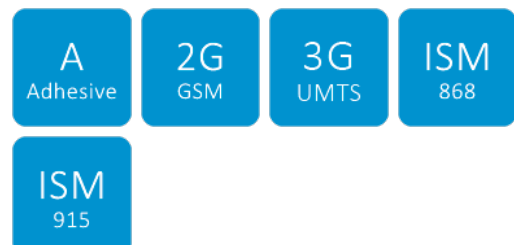
The dipole PCB is encased and heat sealed to protect against moisture ingress and is versatile enough to fit in many environments.

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 price.

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

Additional Considerations

- Sealed housing protects against moisture ingress
- Low profile and ultra thin design allows installation into many applications
- Meets all EU compliance criteria for electronic goods





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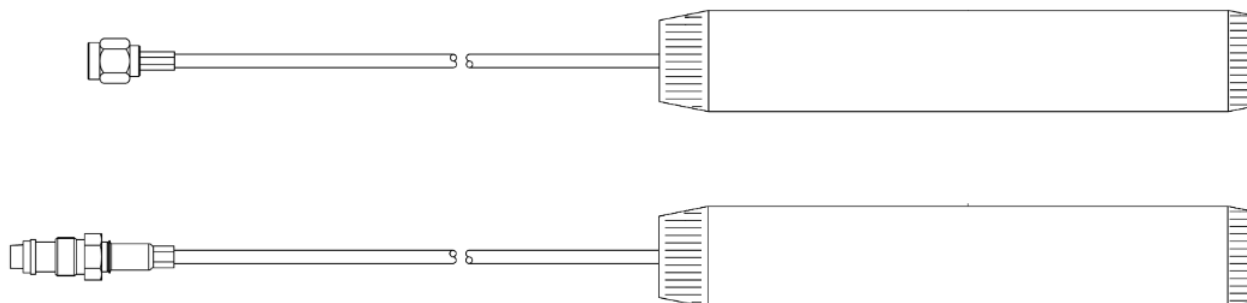
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Electrical Specifications

Temperature range:	-40 - +85°C
Impedance:	50 Ohm
Gain:	2dBi
VSWR:	<3.2:1 across all operating frequencies
Operating frequencies:	824 - 960 MHz 1710 - 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

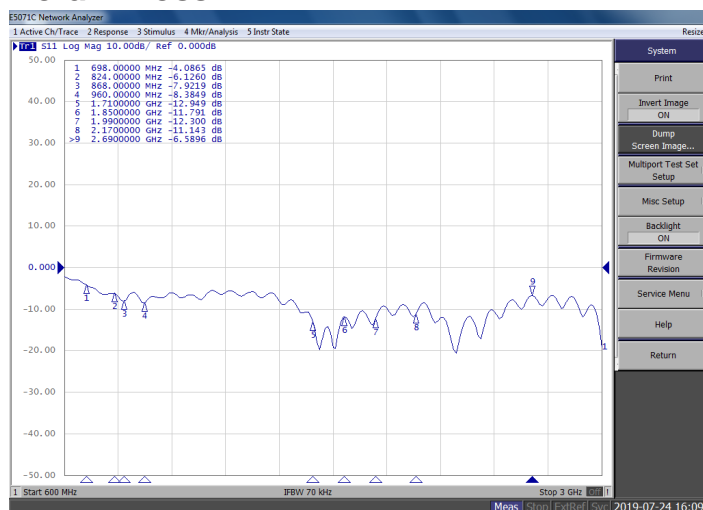




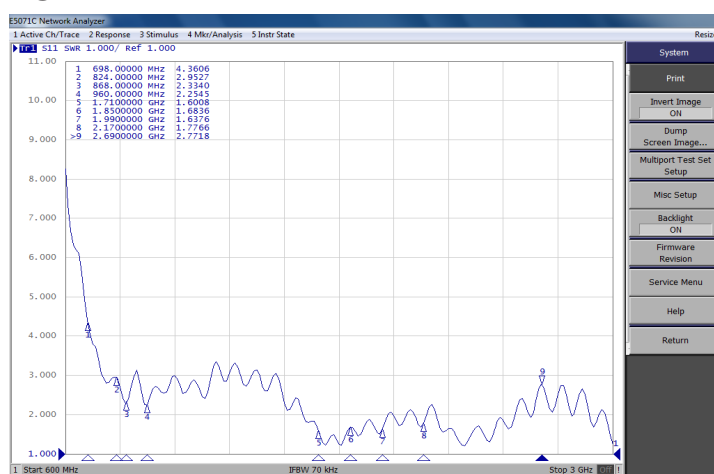
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Return Loss



VSWR



Ordering Details

Part number	Description
ALPHA8/1M/FMEF/S/S/11	GSM/GPRS/3G & ISM 915MHz Blade Antenna
ALPHA8/1M/SMAM/S/S/11	GSM/GPRS/3G & ISM 915MHz Blade Antenna
ALPHA8/3M/FMEF/S/S/11	GSM/GPRS/3G & ISM 915MHz Blade Antenna
ALPHA8/3M/SMAM/S/S/11	GSM/GPRS/3G & ISM 915MHz Blade Antenna