



Mike 1A 2G & 3G 1/4 Wave Whip Magnetic Antenna

Key Features

- Magnetic mount
- Quad band 2G GSM/GPRS & 3G frequencies
- 4.3dBi Peak Gain



General Description

The Mike 1A magnetic mount antenna is a popular, versatile antenna used by many users of GSM/GPRS (2G) & 3G applications.

The antenna exhibits best gains within the lower frequency band.

Typical applications for this antenna are utility metering, alarm panels and sensor monitoring.

A variety of connector options and cable lengths are available and others can be specified for volume orders

Additional Considerations

- Operates on all 4 worldwide cellular network frequencies
- · Meets all EU compliance criteria for electronic goods



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Mike 1A 2G & 3G 1/4 Wave Whip Magnetic Antenna

Electrical Specifications

Temperature Range:	-45 - +75°C
Impedance:	50 Ohm
Peak Gain:	4.3dBi
VSWR:	≤2
Max Input Power:	60W
Operating Frequency:	850-900, 1800-1900, 2100MHz
Polarization:	Vertical
Radiating Element:	Whip

Mechanical Specifications

Dimensions:	105mm x 34mm Ø
Cable:	RG174
Connector:	Please refer to options table below
Mounting Method:	Magnetic

VSWR

CH1	S11	SWR		400 m/	REF 1	5: 2.5918		
	hp					14	480.51351	2 MHz
						 	1: 1.8025	5
Cor	MARKER	5					824 2: 1.828	MHz
		480.5135:	.2MHz				960 3: 1.838	MHz
							4: 1.902	
					5	 		
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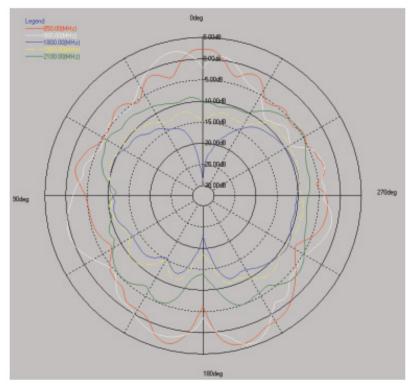
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Radiation Plots



Ordering Details

Part Number	Description
MIKE1A/1.2M/SMAM/S/S/20	Stubby Magnetic Mount Quad Band GSM & 3G Antenna, 1.2m Cable, SMA Male Connector
MIKE1A/2.5M/SMAM/S/S/20	Stubby Magnetic Mount Quad Band GSM & 3G Antenna, 2.5m Cable, SMA Male Connector
MIKE1A/2.5M/FMEF/S/S/20	Stubby Magnetic Mount Quad Band GSM & 3G Antenna, 2.5m Cable, FME Female Connector
MIKE1A/5M/FMEF/S/S/20	Stubby Magnetic Mount Quad Band GSM & 3G Antenna, 5m Cable, FME Female Connector
MIKE1A/5M/SMAM/S/S/20	Stubby Magnetic Mount Quad Band GSM & 3G Antenna, 5m Cable, SMA Male Connector

Registered in England No. 08405712 VAT Registration No. GB163 04 0349

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