

## Magnetic Antenna

V2.04/08/16



## MAR-2009

No hole installation

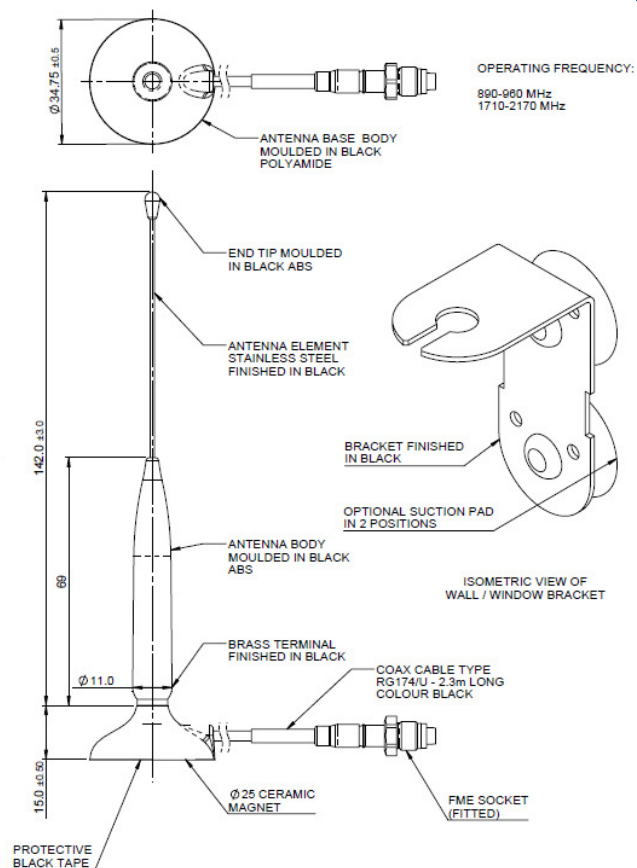
Magnetic base &amp; suction mount bracket

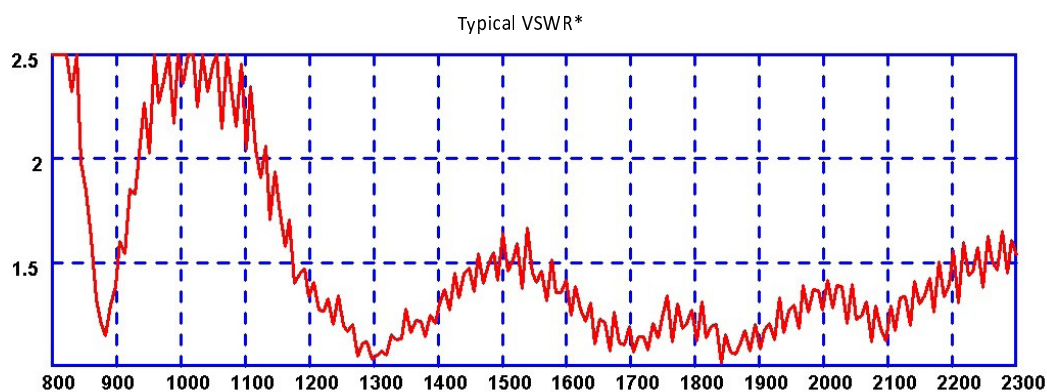
Easy removal

The MAR-2009 is a temporary fit 2G/3G antenna supplied with a number of mounting options. The antenna offers 5dBi peak gain across 1710-2170MHz with 2dBi fallback gain at 890-960MHz.

The antenna can be mounted magnetically to any suitable metal surface or installed on a smooth vertical surface such as a window using the supplied suction bracket mount.

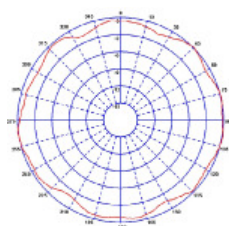
## Technical Drawing



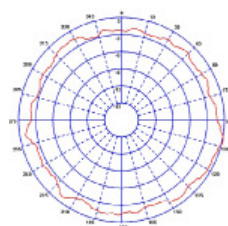


\* VSWR measured on 400 x400mm (15" x 15") ground plane with 2m (6'6") cable

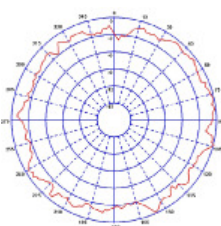
Typical H-Plane (900MHz)



Typical H-Plane (1800MHz)



Typical H-Plane (2000MHz)



#### Part No.

MAR-2009-2F

MAR-2009-2SP

#### Electrical Data

Frequency Range (MHz)	890-960 & 1710-2170
Pre-Tuned Band	GSM900, GSM1800, PCS1900 & 3G UMTS
Peak Gain: Isotropic	2dBi (890-960MHz) & 5dBi (1710-2170MHz)
Compared to ¼ wave	0dB (890-960MHz) & 3dB (1710-2170MHz)
Polarisation	Vertical
Pattern	Omni Directional
Impedance	50Ω
Max Input Power (W)	10

#### Mechanical Data

Dimensions (mm)	Height	166 (6.5")
	Diameter	26 (1")
Operating Temp (°C)	-30° / +70°C (-22° / +156°F)	
Material	ABS and Polyamide	
Colour	Black	

#### Mounting Data

Fixing	Magnetic mount or optional suction bracket mount
Colour	Black

#### Cable Data

Type	RG174	
Thickness (mm)	2.5 (0.1")	
Length (m)	2.3 (7')	
Termination	FME Socket	SMA Plug

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