



# Product Data Sheet

Multiband Magnetic Antenna

# GPRS & 3G

## Magnetic Antenna



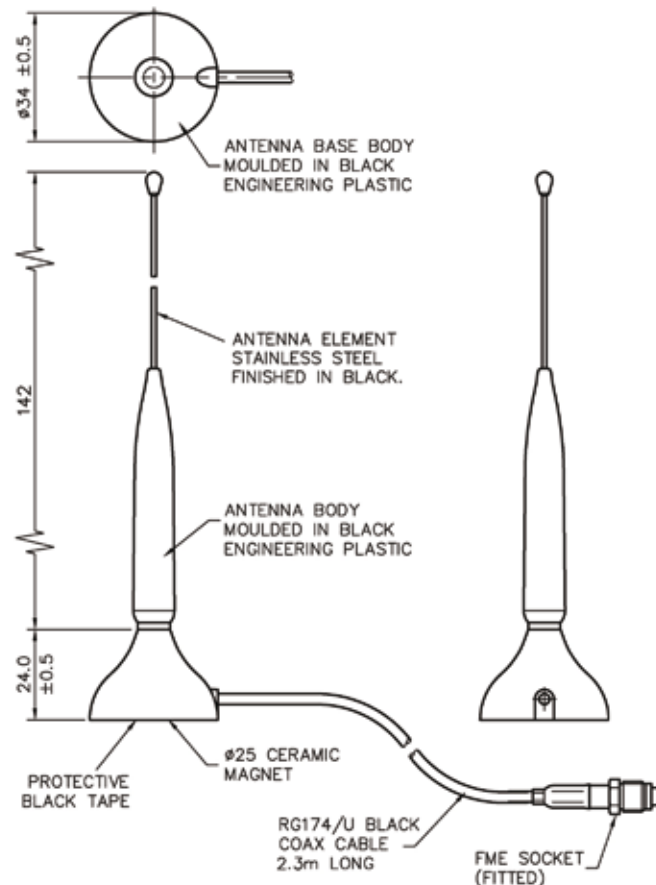
### MAR-2009

No hole installation  
Strong magnetic retention  
Easy removal

If you are constantly on the move the magnetic MAR & MD antenna range is the ultimate solution. Placed on the roof of a vehicle the antenna will grip securely with a tough but removable magnetic base, giving you high gain, omni-directional coverage.

When it comes to removing or re-positioning, it couldn't be easier and you won't be left with any evidence that the antenna was there at all. With the MAR & MD range you no longer need to make holes in your vehicle to fill holes in your coverage.

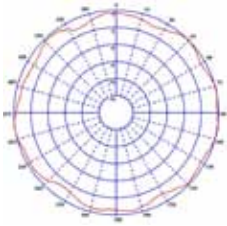
#### Technical Drawing



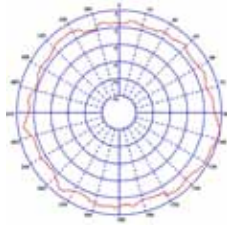
# GPRS & 3G

## Magnetic Antenna

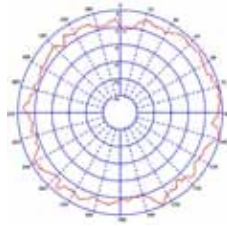
H-Plane (900MHz)



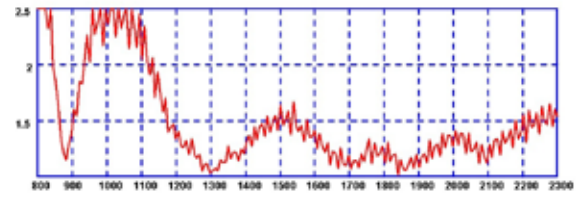
H-Plane (1800MHz)



H-Plane (2000MHz)



Typical VSWR\*



\* All measurement use a groundplane

Part No.		MAR-2009-2F
Electrical Data		
Frequency Range (MHz)	890-960 & 1710-2170	
Pre-Tuned Band	GSM900, GSM1800, PCS1900 & 3G UMTS	
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
	Diameter	25
Operating Temp (°C)	-40° / +80°C	
Material	Engineering Plastic	
Colour	Black	
Mounting Data		
Fixing	Magnetic Mount	
Material	Engineering Plastic	
Colour	Black	
Cable Data		
Type	RG174	
Thickness (mm)	2.5	
Length (m)	2.3	
Termination	FME Socket	

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