

LoRa/Sigfox/ISM Band

868MHz Magnetic Mount Antenna

MAR-868-2SP



MAR-868-2SP

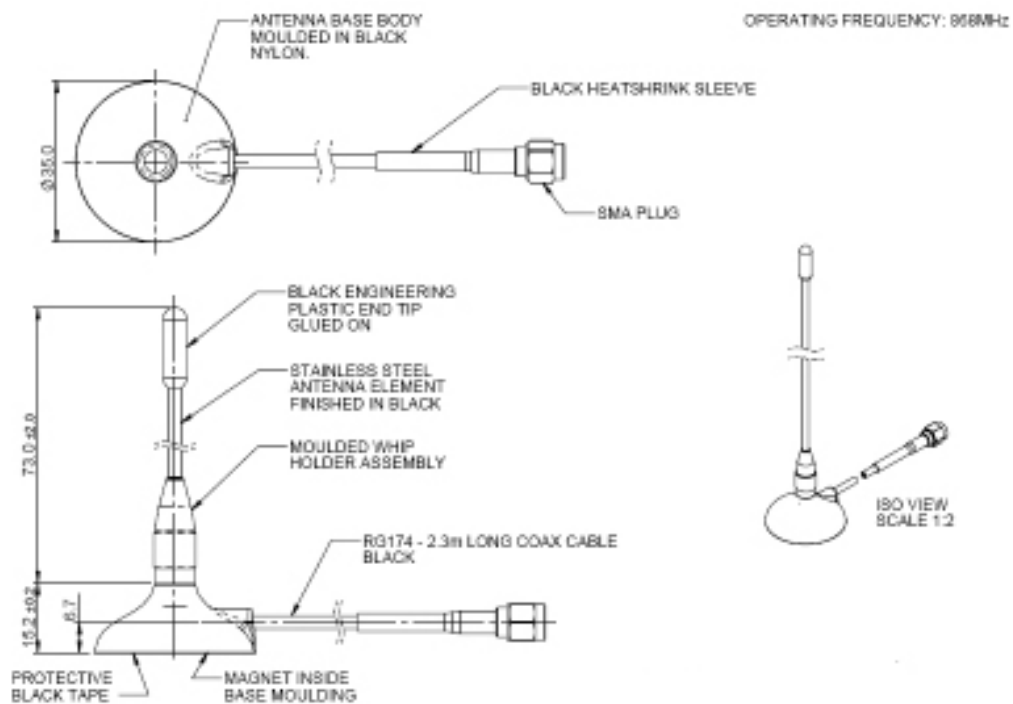
- No hole installation
- Omni-directional coverage
- Suitable LoRa & Sigfox IoT applications

The MAR-868-2SP is a high performance, compact magnetic mount antenna suitable for installations where a panel mount antenna can't be used.

Suitable for internal and external use, it is ideal for IoT and M2M applications using LoRa or Sigfox.

Technical Drawing

MAR-868-2SP shown



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Product Data

Part No.		MAR-868-2SP
Electrical Data		
Frequency Range (MHz)	860-870	
Operational Band	LoRa Sigfox ISM	
Peak Gain: Isotropic	2dBi	
Compared to ¼ wave	0dB	
Polarisation	Vertical	
Pattern	Omni-directional	
Impedance	50Ω	
Max Input Power (W)	20	
Mechanical Data		
Dimensions (mm)	Total Height	88 (3.5")
	Base Height	15 (0.5")
	Base Diameter	35 (1.4")
Operating Temp (°C)	-30°/+70°C (-22°/158°F)	
Material	High Performance PA6/66 + TPE	
Colour	Black	
Mounting Data		
Fixing	Magnetic mount	
Cable Data		
Type	RG174	
Diameter (mm)	2.8 (0.1")	
Length (m)	2.3 (7'6")	
Termination	SMA Plug*	

* Peak gain simulated with all elements fed on 600x600mm ground plane excluding cable loss

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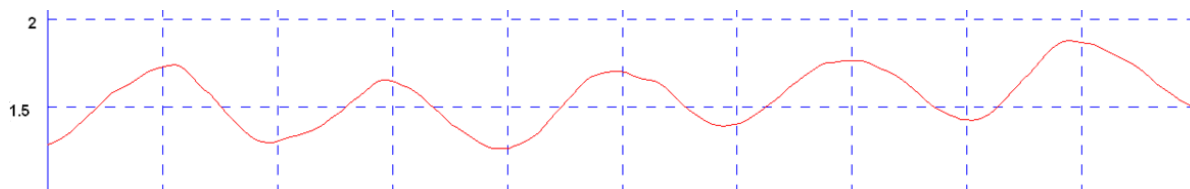
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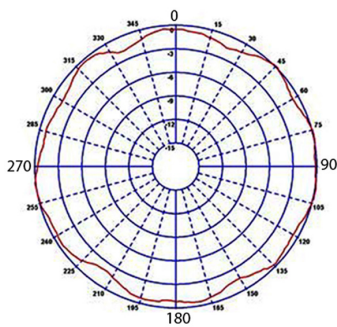
Electrical Data

Typical VSWR



* All measurements use a groundplane and 350x350mm with 2m of RG174 cable

Typical H-Plane (865MHz)



* All measurement use a groundplane and 350x350mm gp w/2m of RG174 cable