

B6SE-868-03NJ

Wall Mount High Gain Antenna

Issue Date: 25/05/2017 v.1



High Gain 868 MHz Antenna

High Gain at 868MHz

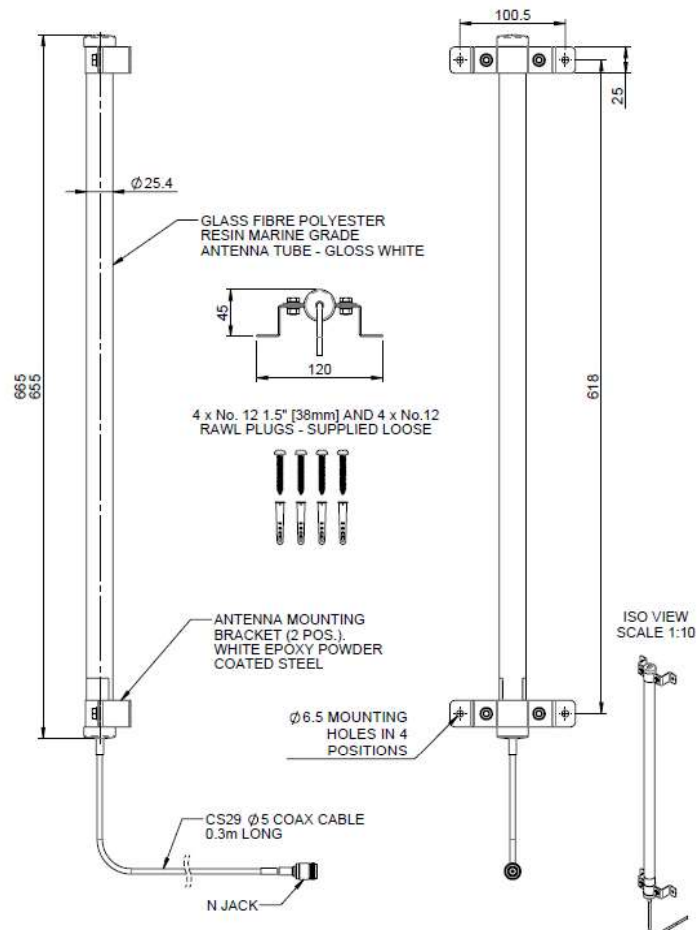
Wall mount

The Panorama B6SE-868 is designed to decrease the lifetime cost of M2M and IOT installations by offering a robust range extending antenna for challenging signal environments.

The antenna offers high gain omni-directional performance for the 868MHz band. The efficient element design ensures a high first time connection rate and an ongoing, robust communications link even in many low coverage areas.

The antenna can be installed using the supplied saddle clamp brackets. The product features a 10Kdc resistor for detection by devices requiring this feature.

Technical Drawing



Part No.

B6SE-868-03NJ

Electrical Data

Frequency Range (MHz)	840-880
Peak Gain: Isotropic +	6.1dBi
Peak Gain at Horizon +	5.8dBi
Polarisation	Vertical
Pattern	Omni-directional
Impedance	50Ω
Max input power (W)	20

Mechanical Data

Dimensions (mm)	Height	665 (26.2")
	Diameter	25.4 (1")
Operating Temp (°C)	-30° / +70°C (-30° / 158°F)	
Material	Coated steel and GRP	
Colour	White	

Mounting Data

Fixing	Saddle clamp brackets
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Cable Data

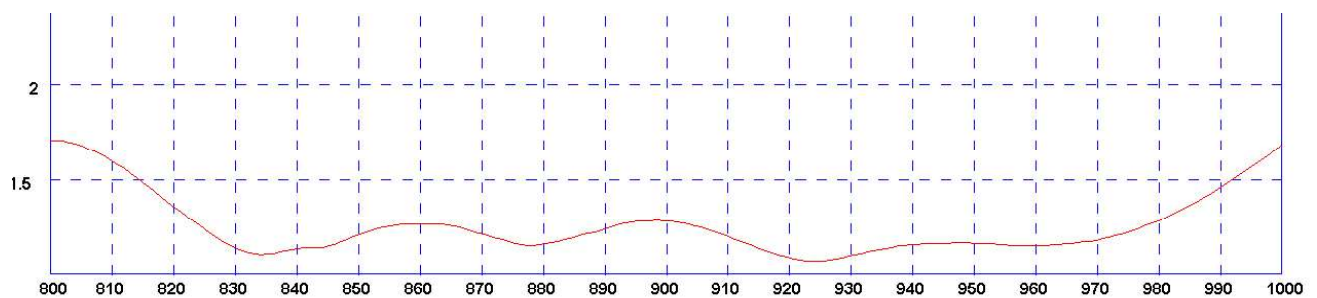
Cable Type	CS29
Diameter (mm)	5 (0.2")
Length (m)	0.3(1')
Attenuation (db/m)	868MHz < 0.35
Min Bend Radius (mm)	25
Termination	SMA Plug

+ Peak gain in free space does not include cable attenuation

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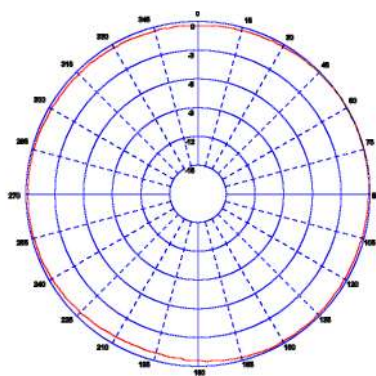
Typical VSWR*

VSWR

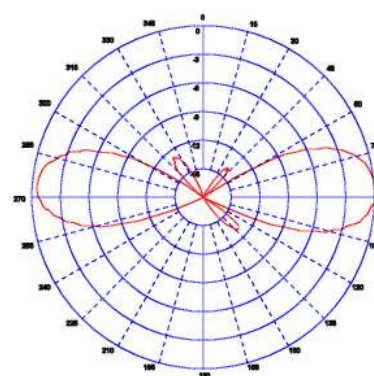


*VSWR measured in free space with 0.5m (1.5') of CS29 cable

Typical H plane (850MHz)



Typical E plane (850MHz)



Patterns