

B4BE-7-27 Bracket Mount Antenna

PANORAMA ANTENNAS

B4BE-7-27

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- Cost Effective 2G/3G/4G and 3.8GHz 5G coverage
- Wall or mast mounted

The B4BE antenna is a cost effective omni-directional broad band antenna for 4G/3G/2G and 3.8GHz 5G devices and is suitable for external or internal installation.

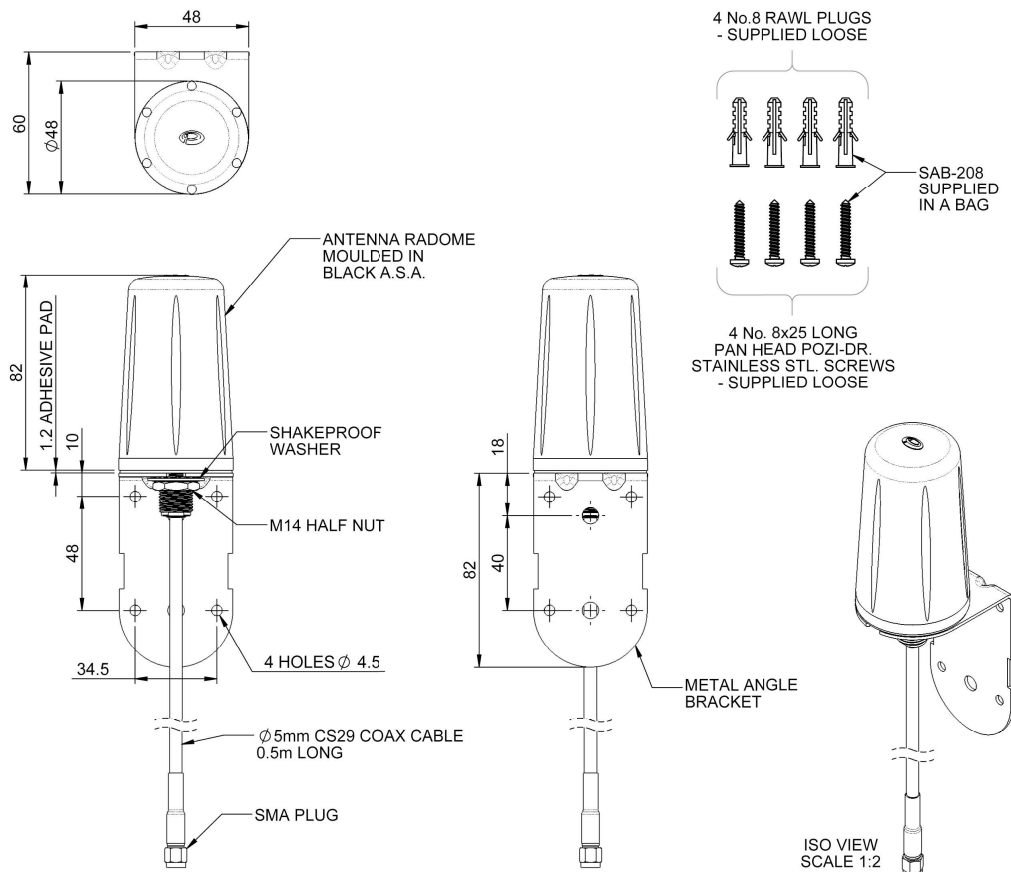
The design of the mounting bracket enables simple wall mounting using the supplied screws and wall plugs or mast mounting using a pipe clip or cable ties (not supplied).

The omni-directional radiation pattern allows easy placement of the antenna in an elevated position.

This antenna is an ideal solution for use in industrial and domestic environments with cellular modems/routers and Machine to Machine (M2M) wireless connectivity applications.

Technical Drawing

B4BE-7-27-05SP Shown



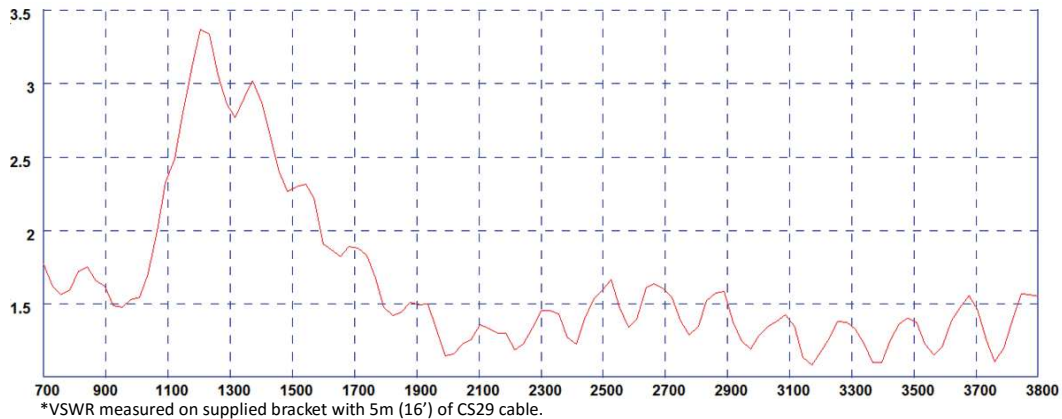
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Typical VSWR

Product Data



Part No.

B4BE-7-27-05SP

B4BE-7-27-5SP

Electrical Data

Frequency Range (MHz)	698-960 / 1710-3800	
Operational Band	700/800/900/1800/1900/2100/2400/2600/3600	
Peak Realised Gain: Isotropic*	698-960MHz	2dBi
	1710-3800 MHz	5dBi
VSWR	<2.5:1	
Polarisation	Vertical	
Pattern	Omni-directional	
Impedance	50Ω	
Max Input Power (W)	30	

Mechanical Data

Dimensions (mm)	Height mounted	164 (6.46")
	Diameter	48(1.89")
Operating Temp (°C)	-40° / +85°C (-40° / 185°F)	
Material	ASA, aluminium, zinc plated steel	
Colour	Black & natural (white version available p/n B4BEW)	
Ingress Protection	IP66	

Mounting Data

Fixing	Wall or mast mount	
Mounting ScREW Diameter (mm)	4 (0.16")	
Weight (g)	188	372

Cable Data

Type	CS29 (double shielded RG58)	
Diameter (mm)	5(0.19")	
Length (m)	0.5 (1.5')	5(17')
Termination	SMA plug	SMA plug

* Peak gain simulated in CST microwave studio on a ground plane excluding cable loss

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B4BE-7-27 Panel Mount Antenna

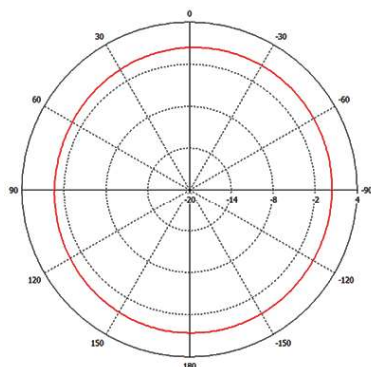
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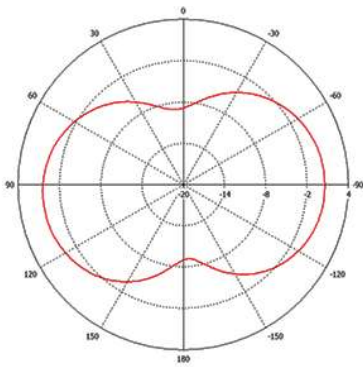
Electrical Data

All measurements taken on a 400 x 400mm groundplane with 0.5m of cable

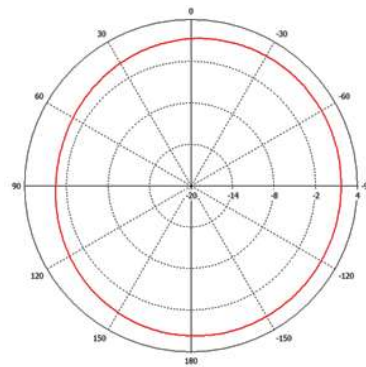
H Plane Plot (700 MHz)



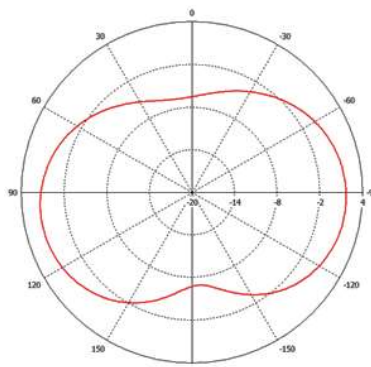
E Plane Plot (700MHz)



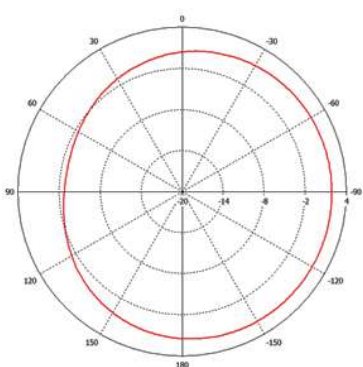
H Plane Plot (800MHz)



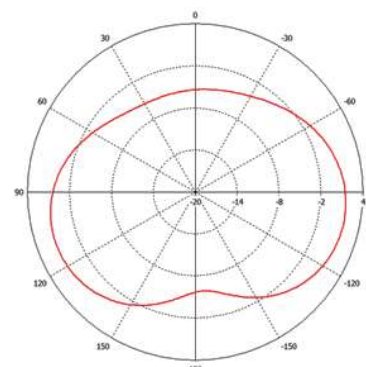
E Plane Plot (800MHz)



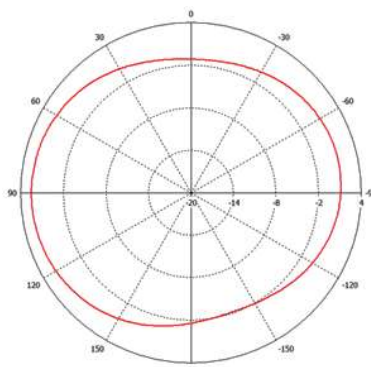
H Plane Plot (900MHz)



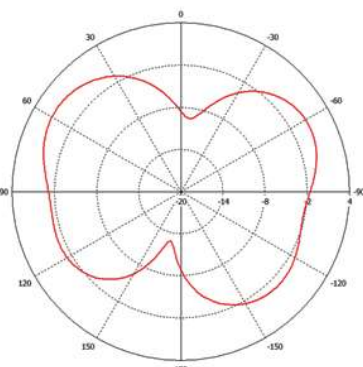
E Plane Plot (900MHz)



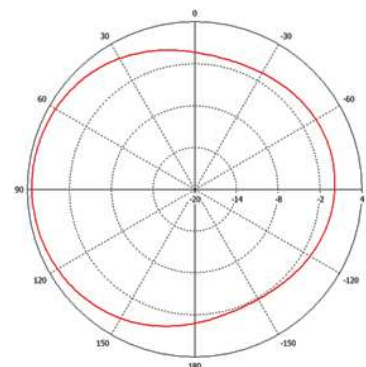
H Plane Plot (1800 MHz)



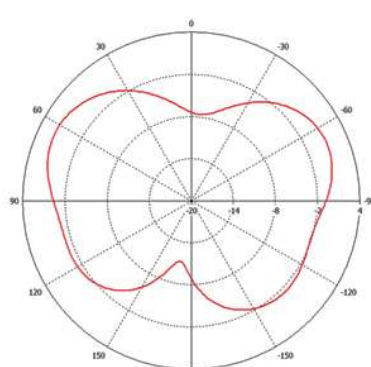
E Plane Plot (1800MHz)



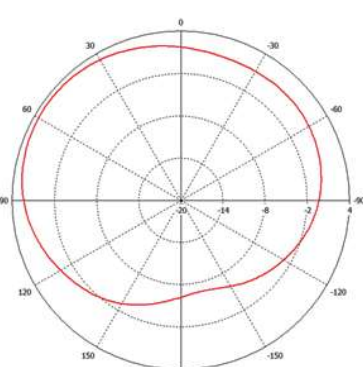
H Plane Plot (2100MHz)



E Plane Plot (2100 MHz)



H Plane Plot (2600MHz)



E Plane Plot (2600MHz)

