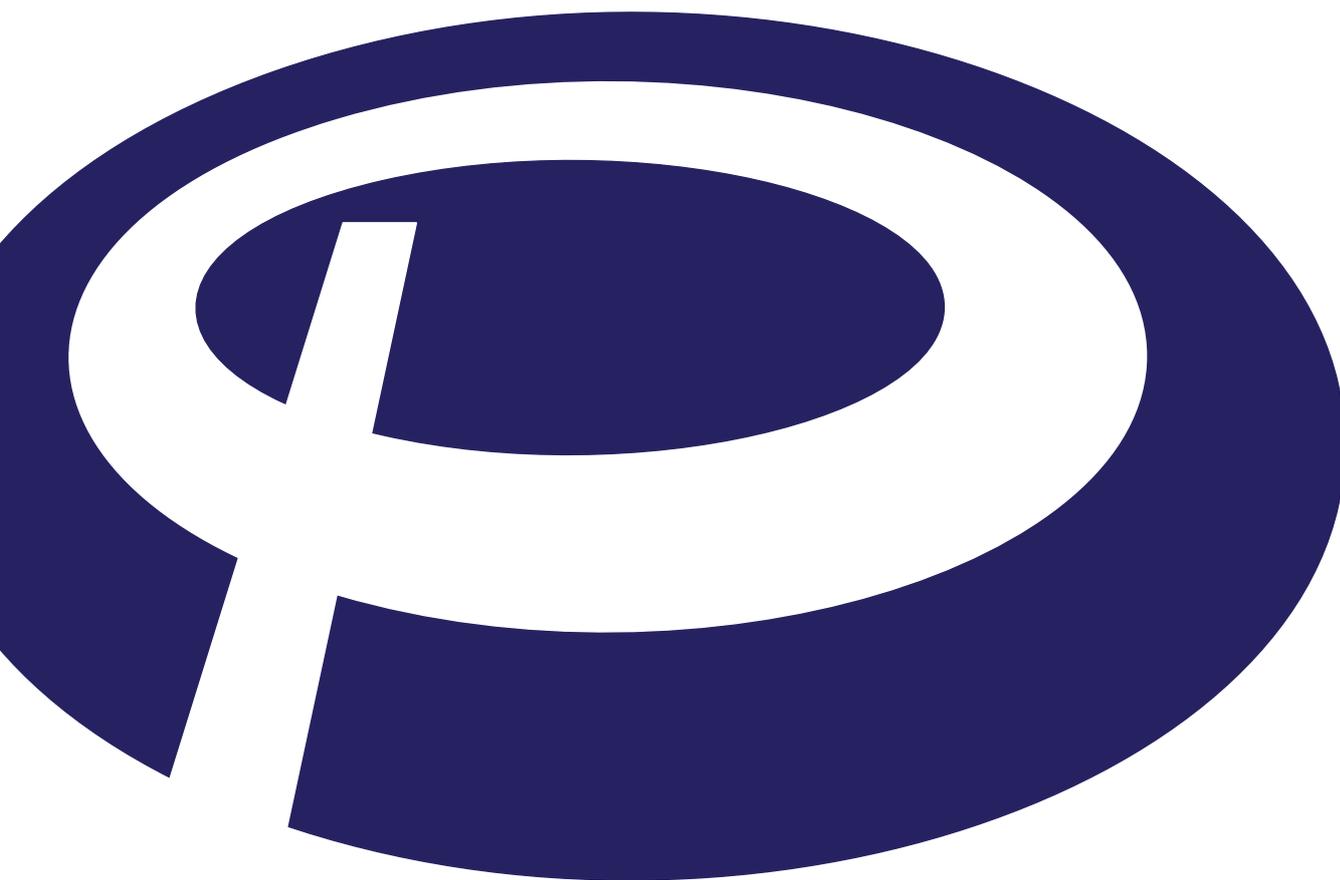


Product Data Sheet

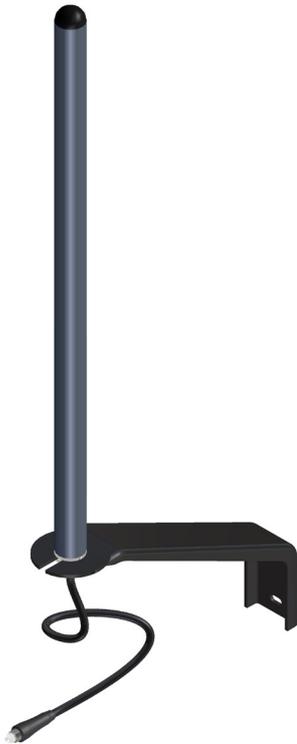
Multiband Bracket Mount Antenna



C/Note	Doc Issue	Date	Approval
01019	3	31/7/15	J.J.

B6B-3G

Mobile Broadband Antennas



Bracket Mount Antenna

- Improves Range
- Cost Effective Solution
- Easy Installation

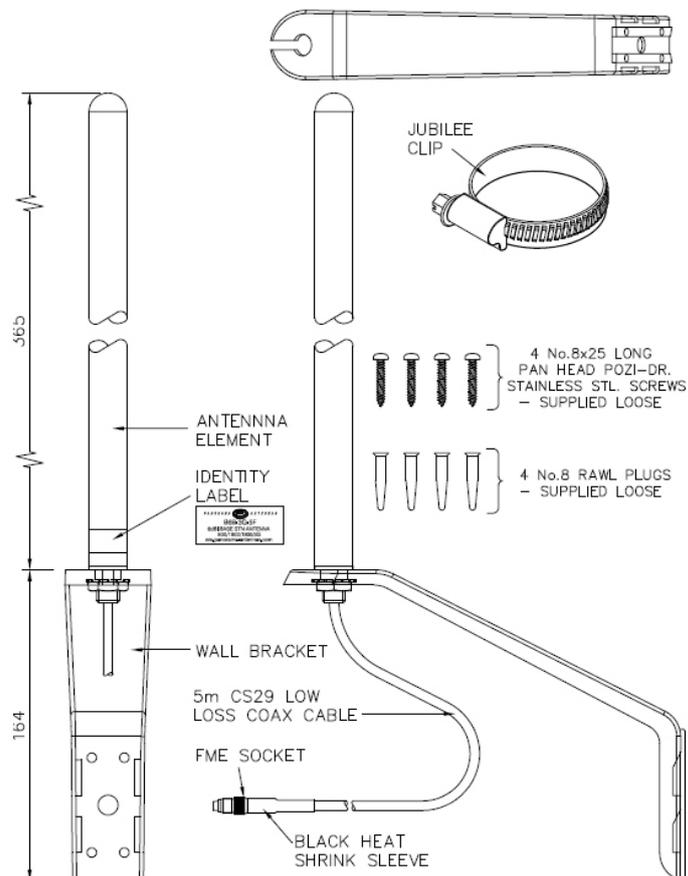
The B6B range is designed for fixed site installation to boost the signal from mobile broadband devices or modems. Optimised for 2100MHz 3G networks the antenna features 4-6dBi peak gain across the 1800 / 1900 and 2100MHz bands but also offers fallback to 900MHz and 850MHz at 2dBi peak gain.

The omni-directional radiation pattern makes them simple to install because no networking software or analysis is required to find the optimum position.

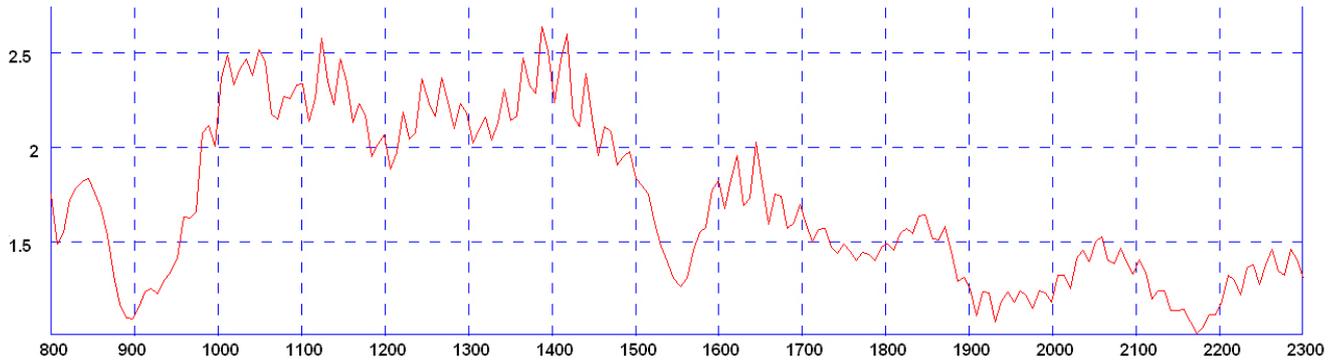
The antenna is supplied with an offset bracket mounting and wall and mast mount hardware for ease of installation.

Technical Drawing

*B6B-3G-5F shown

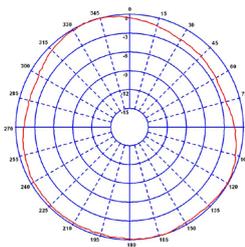


Typical VSWR

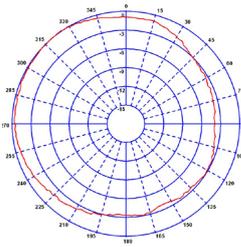


*VSWR measured with 5m (16') of CS29 cable

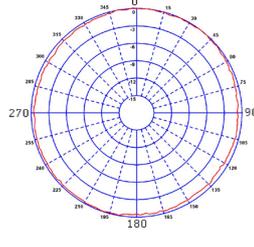
Typical H-Plane 900MHz



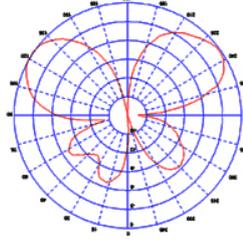
Typical H-Plane 1800MHz



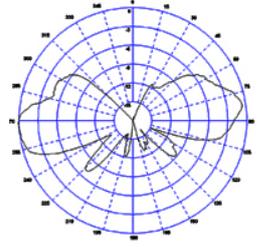
Typical H-Plane 2000MHz



Typical E-Plane 900MHz



Typical E-Plane 2000MHz



Part No.

B6B-3G-5F

B6B-3G-5SP

Electrical Data

Frequency Range (MHz)	800-960 & 1710-2170
Pre-Tuned Band	AMPS850, GSM900, GSM1800, PCS1900, AWS & 3G UMTS
Gain: Isotropic	6dBi (1900-2170), 4dBi (1710-1880) & 2dBi (800-960)
Compared to ¼ wave	4dB (1900-2170), 2dB (1710-1880) & 0dB (800-960)
Polarisation	Vertical
Pattern	Omni Directional
Impedance	50Ω
Max Input Power (W)	25

Mechanical Data

Dimensions (mm)	Height	365 (14.37")
	Diameter	20 (0.79")
Operating Temp (°C)	-40° / +80°C (-40 / +176°F)	
Material	ABS	
Colour	Grey	

Mounting Data

Fixing	Plastic Bracket Mount	
Mounting Bracket Dimensions (mm)	Height	164 (6.45")
	Off-Set	180 (7.09")

Cable Data

Type	CS29 Low Loss Coax	
Diameter (mm)	5 (0.20")	
Length (m)	5 (16')	
Termination	FME Socket	SMA plug



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Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance. These specifications are subject to change without notice.

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