

Powertec 4G-5G Outdoor Wall Mount Antenna, 698 to 4000 MHz, 4.3-10 Female

SKU: ANT-BH-00089

MPN: VPA-6940-7.432

Barcode: 9337692004308

Description

The Powertec VPA-6940-7.432 antenna is a versatile panel antenna designed for outdoor applications, supporting a wide frequency range from 698 MHz to 4000 MHz. This antenna is ideal for enhancing wireless communication systems, providing stable connectivity across multiple bands, which makes it suitable for telecommunications, broadcasting, and data transmission applications. Its vertical polarisation and robust gain performance, ranging from 5.5 dBi to 8.0 dBi, ensure efficient signal propagation and reception, even in challenging environments.

Constructed from durable materials such as aluminium and ABS plastic, the antenna is designed to withstand harsh weather conditions, operating effectively between -40 °C and 65 °C. Its compact dimensions (180x158x60 mm) and lightweight design (0.4 kg) make it easy to install, either on poles with diameters between 30 mm and 52 mm or other mounting structures. The antenna's low passive...

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RF Specification

Start Frequency:	698 MHz	Polarisation:	Vertical (V)
Stop Frequency:	4000 MHz	Input Impedance:	50
Max. Input Power:	50 W		

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	4.3-10 Female	Straight	PSF-402	300 mm

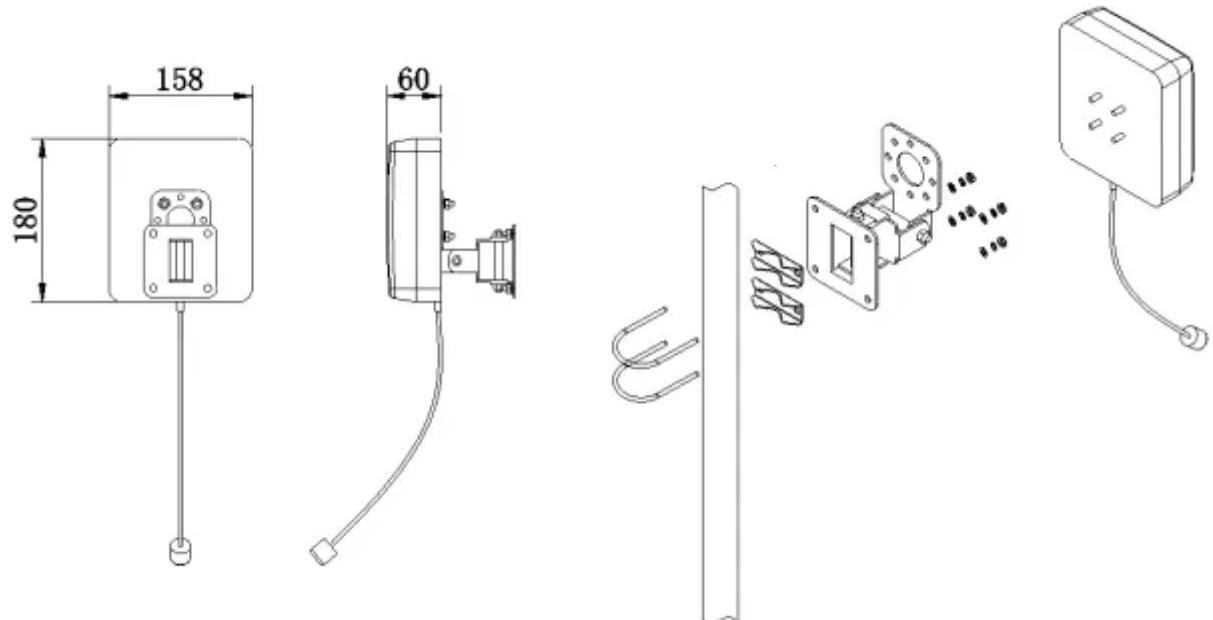
Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio
698 MHz	806 MHz	5.5 dBi	< 2:1	100°	90°	> 9 dB
806 MHz	960 MHz	6.5 dBi	< 2:1	85°	82°	> 10 dB
1710 MHz	2700 MHz	8 dBi	< 1.8:1	65°	60°	> 15 dB
3300 MHz	4000 MHz	7 dBi	< 1.8:1	50°	45°	> 11 dB

Physical Specification

Subtype:	Panel / Sector	Dimensions:	180x158x60
Input Ports:	1	Materials:	ABS Plastic, Aluminium
MIMO:	1x1 SISO	Mounting:	Pole Clamp 30 to 52 mm , Wall / Vertical Surface
Min. Operating Temperature:	-40 °C	Weight:	0.4 kg
Max. Operating Temperature:	65 °C		
PIM, 3rd Order:	-150 dBc		

Drawing



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