

DATA SHEET

21-PUFCE3S8-D1 | PANEL ANTENNA SISO

Frequency: 698-3800MHz | Max Gain: 8dBi | Pol: Vertical | Connector: 4.3-10 Female | PIM: $\leq -150\text{dBc}$ | Usage: Indoor



OVERVIEW

BRIDGE Panel Antenna is specifically designed for DAS & IBS systems. Due to its directional feature, the panel antenna has a higher gain value. The usage includes 2G/3G/4G/5G, VHF, UHF, Tetra, IoT, Military spectrum allocation in different frequency systems, and re-farming systems.

BRIDGE Antenna could support usage of frequency range 698- 3800MHz, and the design of low PIM could perform smooth data transmission in system coverage.

Our products are all made of top-quality materials, which secures the durability and stable performance of the product.

FEATURES

- In-building cellular signal enhancement for standard frequency bands
- Low PIM performance
- Vertical Polarization
- High gain design
- Connectors types are optional
- Compact size and light weight making it easy to install

TECHNICAL DATA

Electrical Specifications

Frequency Range(MHz)	698-806	806-960	1710-2700	3300-3800
Gain	5.5dBi	6.5dBi	8.0dBi	7.0dBi
VSWR	≤ 1.8	≤ 1.6	≤ 1.6	≤ 1.8
Polarization	Vertical			
Beamwidth- H	100°	85°	65°	50°
Beamwidth- V	90°	82°	60°	45°
PIM:IM3	$\leq -150\text{dBc}$			
Power Rating	50W			
Impedance	50 Ω			

Mechanical Specifications

Connectors	4.3-10 Female
Dimensions	180 x 158 x 60mm
Weight	0.4kg
Radome Color	White
Radome Material	UV-Resistance ABS
Lightning Protection	DC Ground
Mounting	Wall

Environmental Specifications

Temperature	-40 to +65°C
Humidity	$\leq 95\%$
IP Rating	IP40, Indoor

Product



100% dipole plating



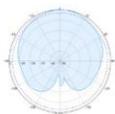
100% copper in key joint



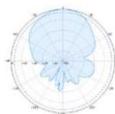
100% High performance Low PIM cable

Radiation Diagram

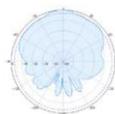
H-Plane



700-960MHz

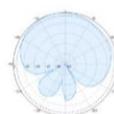


1710-2690MHz

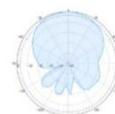


3300-3950MHz

V-Plane



700-960MHz



1710-2690MHz



3300-3950MHz

Unit measurements in mm

Disclaimer: All images are for reference purposes only

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Important Notice: Information contained in this data sheet is believed to be reliable at the date of issue, however accuracy and completeness is not guaranteed.

Bridge Components holds the right to change the product specifications without notice.