

## DATA SHEET

# 21-PUEEE3S-E2

Frequency: 698-2170MHz

Gain: 7.5dBi

# OUTDOOR PANEL ANTENNA

Power Rating: 100W

Connector: 4.3-10 Female



## OVERVIEW

BRIDGE PANEL ANTENNAS are compatible with any Cellular, IoT, TETRA, WIFI, VHF and UHF network system.

The antennas are designed using narrow-beam technology and allowing them to generate highly directional radiation to distant sites. A combination of high-density elements and low-interference technology allows the antennas to occupy a narrow footprint while maintaining stable high-gain performance. Rugged materials are used in the manufacturing process, allowing the antennas to withstand outdoor environments.

## KEY FEATURES

- N, Din and 4.3-10 connector are available upon request
- Multiple gain and beam angle options available
- Antennas have an IP protection rating of IP65 making them suitable for outdoor applications

### Product Pictures



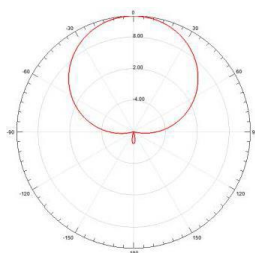
- N-F/4.3-10F/Din-F Options



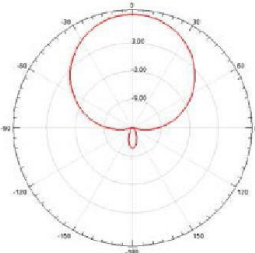
-Ruggedized & Anti-corrosion & Machinal adjustable Clamp

### Radiation Diagrams

Horizontal plane pattern



Vertical plane pattern



## TECHNICAL DATA

### Electrical Specifications

Frequency Range (MHz)	698-806	806-960	1710-2170
Gain	5dBi	5.5dBi	7.5dBi
VSWR	≤1.6		
Polarization	Vertical		
Beamwidth- H	90±15°	90±15°	75±15°
Beamwidth- V	75±10°	75±10°	60±10°
Power Rating	100W		
Impedance	50Ω		

### Mechanical Specifications

Connectors	4.3-10 Female
Dimensions	320 x 159 x 79mm
Weight	2.8kg
Radome Color	White
Radome Material	PVC

### Environmental Specifications

Wind Load	36.9m/s
Temperature	-40~55°C
Humidity	≤95%
IP Rating	IP65
Lightning Protection	DC Ground

### Installation Specifications

Installation Method	Pole Mounting
Mounting Pole Diameter	TBD
Mechanical Tilt	0-10°

Disclaimer All images are for reference purposes only

Revised: | B.1.1

**Important Notice:** Information contained in this data sheet is believed to be reliable at the date of issue, accuracy and completeness is not guaranteed. Bridge Components holds the right to change the product specifications without notice.