

## DATA SHEET

# 21-UEAE0F3-PSD

# BI-DIRECTIONAL YAGI ANTENNA

**Frequency:** 698-960/1710-2700MHz

**Gain:** 6dBi

**Power Rating:**50W

**Connector:** 4.3-10-Female

**IM3:** ≤-150dBc

**IP Rating:**IP56 with water hole

## OVERVIEW

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

The antennas are designed for highly directional narrow site applications. Custom working frequencies, connectors, beam degree angles and gains are available. Rugged materials are used in the manufacturing process which allows the antennas to have a long working life and consistent performance.

## KEY FEATURES

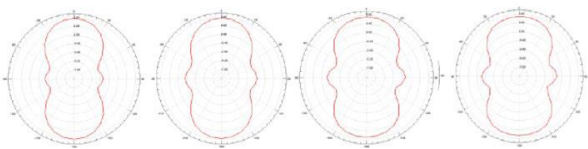
- N, Din 4.3-10 connectors, available upon request
- Optional qualified PIM performance
- Supports Wide-band working frequency ranges
- Supplied with mounting bracket
- Easy to install

### Product Pictures

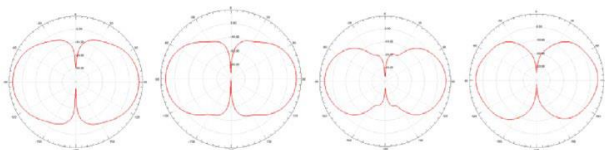


### Radiation Diagrams

H-Plane



E-Plane



752MHz

883MHz

1940MHz

2500MHz

## TECHNICAL DATA

### Electrical Specifications

Frequency Range (MHz)	698-806	806-960	1710-2170	2300-2700
Gain	5dBi		6dBi	
VSWR	≤1.8	≤1.5	≤1.5	≤1.5
Polarization	V			
Beamwidth- H	75°		60°	
Beamwidth- V	90±10°		75±10°	
Power Rating	50W			
Impedance	50Ω			

### Mechanical Specifications

Connectors	4.3-10(Female)
Feeder System	Jumper cable
Dimensions	890x210x65mm
Weight	1.2kg
Radome Color	Light Gray
Radome Material	UV-Resistance ABS

### Environmental Specifications

Wind Load	36.9m/s
Temperature	-40°C~+70°C
Humidity	≤95%
IP Rating	IP56 with water hole
Lightning Protection	DC Ground

### Installation Specifications

Installation Method	Pole Mounting
Mounting Pole Diameter	Φ35~ Φ50
Accessories	Bracket, washers, nuts

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.