

## DATA SHEET

# 21-YVVAAN-10-D02

# UHF YAGI ANTENNA

**Frequency:** 380-400MHz

**Gain:** 10dBi

**IM3:** N/A

**Power Rating:**100W

**IP Rating:** IP65

**Connector:** N-Female

## 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



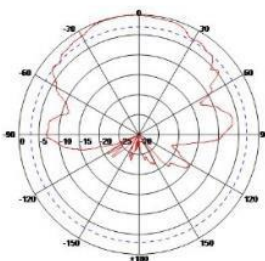
U-Clamp Mounting Rack



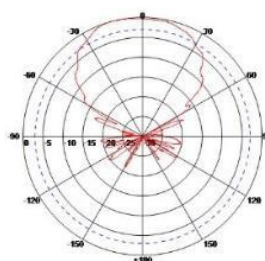
Ruggedized & Anti-corrosion Clamp

### Radiation Diagrams

Horizontal plane pattern



Vertical plane pattern



## TECHNICAL DATA

### Electrical Specifications

Frequency Range (MHz)	380-400MHz
Gain	10±1dBi
VSWR	Max.≤1.8/Typical ≤1.5
Polarization	Vertical
Beamwidth- H	<60±15°
Beamwidth- V	<55±15°
Power Rating	100W
PIM : IM3	N/A
Impedance	50Ω

### Mechanical Specifications

Connectors	N-Female
Feeder System	Jumper cable
Dimensions	830mm
Weight	1.2kg
Color	Light Gray or Black
Material	304 Stainless Steel/ Custom

### Environmental Specifications

Wind Load	160m/s
Temperature	-40°C~+70°C
Humidity	≤95%
IP Rating	IP65
Lightning Protection	DC Ground

### Installation Specifications

Installation Method	Pole Mounting
Mounting Pole Diameter	Φ35~ Φ50
Accessories	N/A

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.