

## DATA SHEET

# 21-HA0F-Y-9-27

# VHF YAGI ANTENNA



**Frequency:** 147-174MHz

**Gain:** 9dBi

**IM3:** N/A

**Power Rating:**100W

**IP Rating:** IP65

**Connector:** N Female

## OVERVIEW

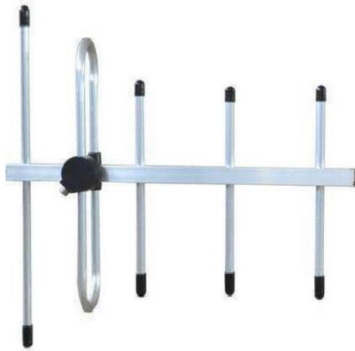
BRIDGE YAGI ANTENNAS are compatible with any Cellular, IoT, TETRA, WIFI, VHF and UHF network system.

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



### Radiation Diagrams

Horizontal plane pattern

Vertical plane pattern

## TECHNICAL DATA

### Electrical Specifications

Frequency Range (MHz)	147-174
Gain	9dBi
VSWR	Typical $\leq 1.5$ /Max. $\leq 1.8$
Polarization	Vertical
Beamwidth- H	$<45^\circ$
Beamwidth- V	$<50^\circ$
Power Rating	100W
PIM : IM3	N/A
Impedance	50 $\Omega$

### Mechanical Specifications

Connectors	N Female
Feeder System	Jumper Cable
Dimensions	1600mm
Weight	3.1kg
Color	Light Gray
Material	304 Stainless Steel or customized

### Environmental Specifications

Wind Load	160m/s
Temperature	$-40^\circ\text{C} \sim +70^\circ\text{C}$
Humidity	$\leq 95\%$
IP Rating	IP65
Lightning Protection	DC Ground

### Installation Specifications

Installation Method	Pole
Mounting Pole Diameter	$\phi 35 \sim \phi 50$
Accessories	U-bolt, 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.