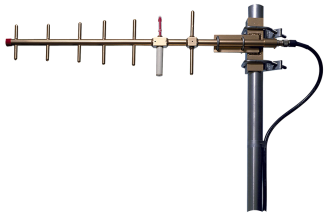


# DB499-K



1-port sector (yagi) antenna, 890–960 MHz, 60° HPBW, fixed electrical tilt. Mounting pipe diameter, max. 3".

- Rugged, durable design
- Enclosed driven element protects against icing, water penetration, and corrosion
- Unique mounts allow vertical or horizontal polarization

## Electrical Specifications

| Frequency Band, MHz                  | 890–960    |
|--------------------------------------|------------|
| Gain, dBi                            | 12.1       |
| Beamwidth, Horizontal, degrees       | 60         |
| Beamwidth, Vertical, degrees         | 30.0       |
| Beam Tilt, degrees                   | 0          |
| Front-to-Back Ratio at 180°, dB      | 15         |
| VSWR   Return Loss, dB               | 1.5   14.0 |
| Input Power per Port, maximum, watts | 150        |
| Polarization                         | Vertical   |
| Impedance                            | 50 ohm     |

## General Specifications

|                                 |               |
|---------------------------------|---------------|
| <b>Operating Frequency Band</b> | 890 – 960 MHz |
| <b>Antenna Type</b>             | Sector        |
| <b>Band</b>                     | Single band   |
| <b>Includes</b>                 | V-bolts       |
| <b>Performance Note</b>         | Outdoor usage |

## Mechanical Specifications

|  |  |
|--|--|
| <b>RF Connector Quantity, total</b>    | 1  |
| <b>RF Connector Quantity, low band</b> | 1  |
| <b>RF Connector Interface</b>          | N Female   |
| <b>Color</b>                           | Silver   |
| <b>Grounding Type</b>                  | RF connector inner conductor and body grounded to reflector and mounting bracket |
| <b>Radiator Material</b>               | Aluminum   |
| <b>RF Connector Location</b>           | Bottom   |
| <b>Wind Loading, maximum</b>           | 53.4 N @ 100 mph<br>12.0 lbf @ 100 mph   |
| <b>Wind Speed, maximum</b>             | 201 km/h   125 mph   |

## Dimensions

|               |                    |
|---------------|--------------------|
| <b>Length</b> | 762.0 mm   30.0 in |
| <b>Width</b>  | 137.2 mm   5.4 in  |

# DB499-K

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**Depth** 25.4 mm | 1.0 in

**Net Weight, without mounting kit** 2.3 kg | 5.1 lb

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU

ISO 9001:2015

China RoHS SJ/T 11364-2014

CE

### Classification

Compliant by Exemption

Designed, manufactured and/or distributed under this quality management system

Above Maximum Concentration Value (MCV)

Compliant with the relevant CE product directives



## Included Products

11653 — V-Bolt Mounting Kit for 3 in (76.2 mm) max OD round members. Set of two V-bolts clamp sets.

## \* Footnotes

### Performance Note

Severe environmental conditions may degrade optimum performance