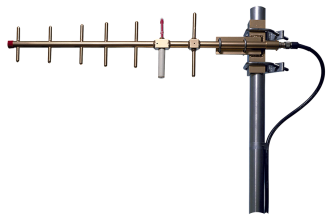


# DB499-A



1-port sector (yagi) antenna, 806–869 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	806–869
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>	806 – 869 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 Speed, maximum</b>	201 km/h   125 mph

## Dimensions

<b>Length</b>	787.4 mm   31.0 in
<b>Width</b>	152.4 mm   6.0 in
<b>Depth</b>	25.4 mm   1.0 in

# DB499-A

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**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



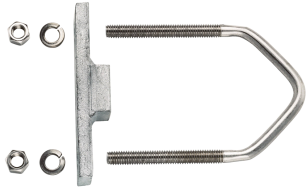
## Included Products

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



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

## Product Classification

**Product Type** Bolt kit

## General Specifications

**Application** Outdoor  
**Includes** Back straps | Nuts | V-bolts | Washers  
**Package Quantity** 2

## Mechanical Specifications

**Color** Silver  
**Material Type** Galvanized steel | Stainless steel

## Dimensions

**Compatible 60° Angle** 66.04 mm | 2.60 in  
**Compatible 90° Angle** 50.80 mm | 2.00 in  
**Compatible Diameter, maximum** 76.2 mm | 3.0 in  
**Net Weight** 0.9 kg | 2.0 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant by Exemption
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014	Above Maximum Concentration Value (MCV)

