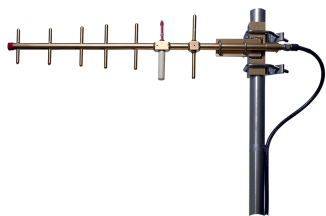


# DB499-C



1-port sector (yagi ) antenna, 824–896 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	824–896
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

Operating Frequency Band	824 – 896 MHz
Antenna Type	Sector
Band	Single band
Includes	V-bolts
Performance Note	Outdoor usage

## Mechanical Specifications

RF Connector Quantity, total	1
RF Connector Quantity, low band	1
RF Connector Interface	N Female
Color	Silver
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Aluminum
RF Connector Location	Bottom
Wind Speed, maximum	201 km/h   125 mph

## Dimensions

Length	774.7 mm   30.5 in
Width	152.4 mm   6.0 in
Depth	25.4 mm   1.0 in

# DB499-C

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

## Regulatory Compliance/Certifications

### Agency

ISO 9001:2015

### Classification

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



## 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