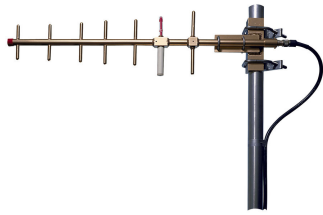


# DB499-K



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

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Color</b>	Silver
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radiator Material</b>	Aluminum
<b>RF Connector Interface</b>	N Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	0
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	1
<b>RF Connector Quantity, total</b>	1

## Dimensions

<b>Width</b>	137.2 mm   5.402 in
<b>Depth</b>	25.4 mm   1 in
<b>Length</b>	762 mm   30 in
<b>Net Weight, without mounting kit</b>	2.3 kg   5.071 lb

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	890 – 960 MHz
<b>Polarization</b>	Vertical

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## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>890–960</b>
<b>Gain, dBi</b>	12.1
<b>Beamwidth, Horizontal, degrees</b>	60
<b>Beamwidth, Vertical, degrees</b>	30
<b>Beam Tilt, degrees</b>	0
<b>Front-to-Back Ratio at 180°, dB</b>	15
<b>VSWR   Return loss, dB</b>	1.5   14.0
<b>Input Power per Port, maximum, watts</b>	150

## Mechanical Specifications

<b>Wind Loading @ Velocity, maximum</b>	53.4 N @ 100 mph (12.0 lbf @ 100 mph)
<b>Wind Speed, maximum</b>	201 km/h (125 mph)

## Packaging and Weights

<b>Included</b>	V-bolts
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives
ISO 9001:2015	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.
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## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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