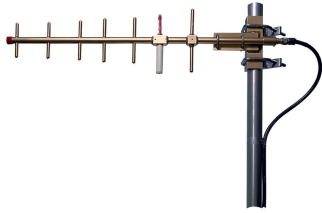


DB499-K



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

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

Dimensions

Width	137.2 mm 5.402 in
Length	762 mm 30 in
Depth	25.4 mm 1 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	890 – 960 MHz
Polarization	Vertical

Electrical Specifications

Frequency Band, MHz	890–960
Gain, dBi	12.1
Beamwidth, Horizontal,	60

DB499-K

degrees

Beamwidth, Vertical, degrees	30
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

Mechanical Specifications

Wind Loading at Velocity, maximum	12.0 lbf @ 100 mph 53.4 N @ 100 mph
Wind Speed, maximum	201 km/h 124.896 mph

Packaging and Weights

Included	V-bolts
Net Weight, without mounting kit	2.3 kg 5.071 lb

Regulatory Compliance/Certifications

Agency	Classification
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.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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