



DB499-A

Yagi Antenna, 806–869 MHz, 60° horizontal beamwidth, 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

Antenna Type	Yagi
Band	Single band
Operating Frequency Band	806 – 869 MHz
Includes	V-bolts
Performance Note	Outdoor usage

Mechanical Specifications

Color	Silver
Lightning Protection	dc Ground
Radiator Material	Aluminum
RF Connector Interface	N Female
RF Connector Location	Bottom
RF Connector Quantity, total	1
Wind Speed, maximum	201 km/h 125 mph

Dimensions

Depth	25.4 mm 1.0 in
Length	787.4 mm 31.0 in
Width	152.4 mm 6.0 in
Net Weight	2.3 kg 5.0 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

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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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