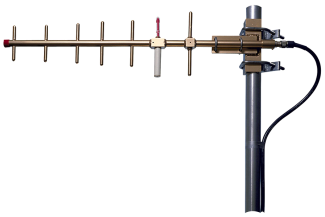
Product Specifications



DB499-K

Yagi Antenna, 890–960 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	**890–960**
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	890 – 960 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 Loading, maximum	53.4 N @ 100 mph 12.0 lbf @ 100 mph
Wind Speed, maximum	201 km/h | 125 mph

Dimensions

Length	762.0 mm | 30.0 in
Width	137.2 mm | 5.4 in
Depth	25.4 mm | 1.0 in
Net Weight	2.3 kg | 5.0 lb

Regulatory Compliance/Certifications

Agency	**Classification**
RoHS 2011/65/EU	Compliant by Exemption

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Product Specifications

DB499-K

China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	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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