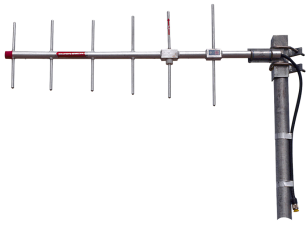


DB436-C



1-port sector (yagi) antenna, 450–470 MHz, 60° HPBW, fixed electrical tilt

- Highly directional coverage and good front-to-back ratio
- Rugged, reliable design
- Stacked arrays

Electrical Specifications

Frequency Band, MHz	450–470
Gain, dBi	12.1
Beamwidth, Horizontal, degrees	60
Beamwidth, Vertical, degrees	44.0
Beam Tilt, degrees	0
Front-to-Back Ratio at 180°, dB	16
VSWR Return Loss, dB	1.5 14.0
Input Power per Port, maximum, watts	250
Polarization	Vertical
Impedance	50 ohm

General Specifications

Operating Frequency Band	450 – 470 MHz
Antenna Type	Sector
Band	Single band
Includes	U-bolts
Performance Note	Outdoor usage

Mechanical Specifications

RF Connector Quantity, total	1
RF Connector Quantity, low band	1
RF Connector Interface	N Male
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	80.1 N @ 100 mph 18.0 lbf @ 100 mph
Wind Loading, maximum (temporary)	18.0 lbf @ 100 mph 80.1 N @ 100 mph
Wind Speed, maximum	201 km/h 125 mph

Dimensions

DB436-C

Length	889.0 mm 35.0 in
Width	368.3 mm 14.5 in
Depth	25.4 mm 1.0 in
Net Weight, without mounting kit	3.2 kg 7.1 lb

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU
ISO 9001:2015
China RoHS SJ/T 11364-2014
CE

Classification

Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system
Above Maximum Concentration Value (MCV)
Compliant with the relevant CE product directives



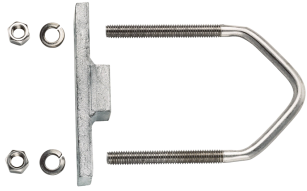
Included Products

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



V-Bolt Mounting Kit for 3 in (76.2 mm) max OD round members. Set of two V-bolts clamp sets.

Product Classification

Product Type Bolt kit

General Specifications

Application Outdoor
Includes Back straps | Nuts | V-bolts | Washers
Package Quantity 2

Mechanical Specifications

Color Silver
Material Type Galvanized steel | Stainless steel

Dimensions

Compatible 60° Angle 66.04 mm | 2.60 in
Compatible 90° Angle 50.80 mm | 2.00 in
Compatible Diameter, maximum 76.2 mm | 3.0 in
Net Weight 0.9 kg | 2.0 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014	Above Maximum Concentration Value (MCV)

