



## DB436-A

**Andrew® Yagi Antenna, 400–420 MHz, 60° horizontal beamwidth, fixed electrical tilt**

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

## Electrical Specifications

Frequency Band, MHz	400–420
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

Antenna Brand	Andrew®
Antenna Type	Yagi
Band	Single band
Operating Frequency Band	400 – 420 MHz
Includes	U-bolts
Performance Note	Outdoor usage

## Mechanical Specifications

Color	Silver
Lightning Protection	dc Ground
Radiator Material	Aluminum
RF Connector Interface	N Male
RF Connector Location	Bottom
RF Connector Quantity, total	1
Wind Loading, maximum	80.1 N @ 100 mph 18.0 lbf @ 100 mph
Wind Speed, maximum	201 km/h   125 mph

## Dimensions

Depth	25.4 mm   1.0 in
Length	889.0 mm   35.0 in
Width	368.3 mm   14.5 in
Net Weight	3.2 kg   7.0 lb

## Regulatory Compliance/Certifications

Agency	Classification
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DB436-A

RoHS 2011/65/EU

China RoHS SJ/T 11364-2006

ISO 9001:2008

Compliant by Exemption

Above Maximum Concentration Value (MCV)

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