

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

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 Male |
| RF Connector Location | Bottom |
| RF Connector Quantity, high band | 0 |
| RF Connector Quantity, mid band | 0 |
| RF Connector Quantity, low band | 1 |
| RF Connector Quantity, total | 1 |

Dimensions

| | |
|---|--------------------|
| Width | 368.3 mm 14.5 in |
| Depth | 25.4 mm 1 in |
| Length | 889 mm 35 in |
| Net Weight, without mounting kit | 3.2 kg 7.055 lb |

Electrical Specifications

| | |
|---------------------------------|---------------|
| Impedance | 50 ohm |
| Operating Frequency Band | 450 – 470 MHz |
| Polarization | Vertical |

DB436-C

Electrical Specifications

| | |
|---|----------------|
| Frequency Band, MHz | 450–470 |
| Gain, dBi | 12.1 |
| Beamwidth, Horizontal, degrees | 60 |
| Beamwidth, Vertical, degrees | 44 |
| 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 |

Mechanical Specifications

| | |
|---|---------------------------------------|
| Wind Loading @ Velocity, maximum | 80.1 N @ 100 mph (18.0 lbf @ 100 mph) |
| Wind Speed, maximum | 201 km/h (125 mph) |

Packaging and Weights

| | |
|-----------------|---------|
| Included | U-bolts |
|-----------------|---------|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CE | Compliant with the relevant CE product directives |
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.andrew.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



Included Products

| | | |
|-------|---|---|
| 11653 | – | V-Bolt Mounting Kit for 3 in (76.2 mm) max OD round members. Set of two V-bolts clamp sets. |
|-------|---|---|

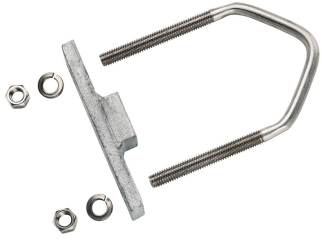
* Footnotes

DB436-C

Performance Note

Severe environmental conditions may degrade optimum performance

11653



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 V-bolt mounting kit

General Specifications

Application Outdoor
Color Silver
Compatible 60° Angle 66.04 mm | 2.6 in
Compatible 90° Angle 50.8 mm | 2 in

Dimensions

Compatible Diameter, maximum 76.2 mm | 3 in
Weight, net 0.9 kg | 1.984 lb

Material Specifications

Material Type Galvanized steel | Stainless steel

Packaging and Weights

Included Back straps | Nuts | V-bolts | Washers
Packaging quantity 2

Regulatory Compliance/Certifications

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