

# DB201-P

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1-port omni ground plane antenna, 450–470 MHz, 360° HPBW, fixed electrical tilt. Bandwidth: 2% of frequency.

- Omnidirectional antenna
- Mounts to top of tower, pole, or building
- Field tunable to desired frequency, cutting chart included

## General Specifications

|  |  |
|--|--|
| <b>Antenna Type</b>                    | Omni   |
| <b>Band</b>                            | Single band  |
| <b>Color</b>                           | Silver   |
| <b>Grounding Type</b>                  | RF connector inner conductor and body grounded to reflector and mounting bracket |
| <b>Performance Note</b>                | Outdoor usage  |
| <b>Radiator Material</b>               | Aluminum   |
| <b>RF Connector Interface</b>          | N Male   |
| <b>RF Connector Location</b>           | Bottom   |
| <b>RF Connector Quantity, low band</b> | 1  |
| <b>RF Connector Quantity, total</b>    | 1  |

## Dimensions

|   |                     |
|---|---------------------|
| <b>Width</b>                            | 226.1 mm   8.902 in |
| <b>Depth</b>                            | 218.4 mm   8.598 in |
| <b>Length</b>                           | 482.6 mm   19 in    |
| <b>Net Weight, without mounting kit</b> | 2.7 kg   5.952 lb   |

## Electrical Specifications

|                                 |                 |
|---------------------------------|-----------------|
| <b>Bandwidth</b>                | 2% of frequency |
| <b>Impedance</b>                | 50 ohm          |
| <b>Operating Frequency Band</b> | 450 – 470 MHz   |
| <b>Polarization</b>             | Vertical        |

## Electrical Specifications

|                            |                |
|----------------------------|----------------|
| <b>Frequency Band, MHz</b> | <b>450–470</b> |
|----------------------------|----------------|

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|   |            |
|---|------------|
| <b>Gain, dBi</b>                            | 2.1        |
| <b>Beamwidth, Horizontal, degrees</b>       | 360        |
| <b>Beamwidth, Vertical, degrees</b>         | 78         |
| <b>Beam Tilt, degrees</b>                   | 0          |
| <b>VSWR   Return loss, dB</b>               | 1.5   14.0 |
| <b>Input Power per Port, maximum, watts</b> | 500        |

## Mechanical Specifications

|   |                                       |
|---|---------------------------------------|
| <b>Wind Loading @ Velocity, maximum</b> | 53.4 N @ 100 mph (12.0 lbf @ 100 mph) |
| <b>Wind Speed, maximum</b>              | 201 km/h (125 mph)                    |

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



## Included Products

|          |   |   |
|----------|---|---|
| DB365-OS | – | Pipe Mounting Kit that consists of two clamps for mounting antennas to round members 1.25 - 3.5 in (35 - 89 mm) OD round members. |
|----------|---|---|

## \* Footnotes

|                         |   |
|-------------------------|---|
| <b>Performance Note</b> | Severe environmental conditions may degrade optimum performance |
|-------------------------|---|

# DB365-0S

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Pipe Mounting Kit that consists of two clamps for mounting antennas to round members 1.25 - 3.5 in (35 - 89 mm) OD round members.

## Product Classification

**Product Type** Pipe mount kit

## General Specifications

**Application** Outdoor

**Color** Silver

## Dimensions

**Compatible Diameter, maximum** 88.9 mm | 3.5 in

**Compatible Diameter, minimum** 33 mm | 1.299 in

**Weight, net** 3.2 kg | 7.055 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 2

**Weight, gross** 3.6 kg | 7.937 lb

## 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |

