

DB633-C



1-port omni antenna, 450–482 MHz, 360° HPBW, fixed electrical tilt

- Omnidirectional antenna
- Rugged, durable design, heavy duty radome for minimum tip deflection
- Invert mountable

General Specifications

| | |
|--|--|
| Antenna Type | Omni |
| Band | Single band |
| Color | Horizon blue |
| Grounding Type | RF connector inner conductor and body grounded to reflector and mounting bracket |
| Performance Note | Outdoor usage |
| Radome Material | Fiberglass, UV resistant |
| Radiator Material | Brass |
| RF Connector Interface | N Female |
| RF Connector Location | Bottom |
| RF Connector Quantity, low band | 1 |
| RF Connector Quantity, total | 1 |

Dimensions

| | |
|---|---------------------|
| Length | 1435 mm 56.496 in |
| Net Weight, without mounting kit | 3.6 kg 7.937 lb |
| Outer Diameter | 50.8 mm 2 in |

Electrical Specifications

| | |
|---------------------------------|---------------|
| Impedance | 50 ohm |
| Operating Frequency Band | 450 – 482 MHz |
| Polarization | Vertical |

Electrical Specifications

| | |
|-------------------------------|----------------|
| Frequency Band, MHz | 450–482 |
| Gain, dBi | 5.1 |
| Beamwidth, Horizontal, | 360 |

DB633-C

degrees

| | |
|---|------------|
| Beamwidth, Vertical, degrees | 35 |
| Beam Tilt, degrees | 0 |
| VSWR Return loss, dB | 1.5 14.0 |
| Input Power per Port, maximum, watts | 500 |

Mechanical Specifications

| | |
|---|---------------------------------------|
| Wind Loading @ Velocity, maximum | 87.2 N @ 100 mph (19.6 lbf @ 100 mph) |
| Wind Speed, maximum | 201 km/h (125 mph) |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| 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.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



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

| | |
|-------------------------|---|
| Performance Note | Severe environmental conditions may degrade optimum performance |
|-------------------------|---|

DB365-0S

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 www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |

