# 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 |



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| | |
|---|---|
| **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 |



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