

DB636-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, high band | 0 |
| RF Connector Quantity, mid band | 0 |
| RF Connector Quantity, low band | 1 |
| RF Connector Quantity, total | 1 |

Dimensions

| | |
|----------------------------------|---------------------|
| Length | 2,895.6 mm 114 in |
| Net Weight, without mounting kit | 30 kg 66.139 lb |
| Outer Diameter | 63.5 mm 2.5 in |

Electrical Specifications

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

Electrical Specifications

| | |
|---------------------|---------|
| Frequency Band, MHz | 450–482 |
|---------------------|---------|

DB636-C

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|--------------------------------------|------------|
| Gain, dBi | 8.1 |
| Beamwidth, Horizontal, degrees | 360 |
| Beamwidth, Vertical, degrees | 20 |
| 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 | 286.5 N @ 100 mph (64.4 lbf @ 100 mph) |
| Wind Speed, maximum | 354 km/h (220 mph) |

Regulatory Compliance/Certifications

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

Included Products

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| 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. |
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* Footnotes

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