

DB630-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 | 965.2 mm 38 in |
| 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 | 2.1 |
| Beamwidth, Horizontal, | 360 |

DB630-C

| | |
|--------------------------------------|------------|
| degrees | |
| Beamwidth, Vertical, degrees | 80 |
| Beam Tilt, degrees | 0 |
| VSWR Return loss, dB | 1.5 14.0 |
| Input Power per Port, maximum, watts | 500 |

Mechanical Specifications

| | |
|-----------------------------------|---------------------------------------|
| Wind Loading at Velocity, maximum | 13.6 lbf @ 100 mph 60.5 N @ 100 mph |
| Wind Speed, maximum | 201 km/h 124.896 mph |

Packaging and Weights

| | |
|----------------------------------|-------------------|
| Net Weight, without mounting kit | 2.7 kg 5.952 lb |
|----------------------------------|-------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CE | Compliant with the relevant CE product directives |
| 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

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

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.

General Specifications

| | |
|--------------------|---------|
| Application | Outdoor |
| Color | Silver |

Dimensions

| | |
|-------------------------------------|------------------|
| Compatible Diameter, maximum | 88.9 mm 3.5 in |
| Compatible Diameter, minimum | 33 mm 1.299 in |

Material Specifications

| | |
|----------------------|------------------|
| Material Type | Galvanized steel |
|----------------------|------------------|

Packaging and Weights

| | |
|---------------------------|---------------------|
| Included | Brackets Hardware |
| Packaging quantity | 2 |

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