

DB224-C



1-port omni exposed dipole antenna, 164–174 MHz, 360° HPBW, fixed electrical tilt

- Broad response
- Two-piece mast for ease of shipping

General Specifications

| | |
|---|--|
| Antenna Type | Omni |
| Band | Single band |
| Color | Silver |
| Grounding Type | RF connector inner conductor and body grounded to reflector and mounting bracket |
| Performance Note | Outdoor usage |
| Radiator Material | Aluminum |
| RF Connector Interface | N Male |
| 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 | 6477 mm 255 in |
| Net Weight, without mounting kit | 15.9 kg 35.053 lb |

Electrical Specifications

| | |
|---------------------------------|---------------|
| Impedance | 50 ohm |
| Operating Frequency Band | 164 – 174 MHz |
| Polarization | Vertical |

Electrical Specifications

| | |
|-------------------------------|----------------|
| Frequency Band, MHz | 164–174 |
| Gain, dBi | 8.1 |
| Beamwidth, Horizontal, | 360 |

DB224-C

degrees

| | |
|---|------------|
| Beamwidth, Vertical, degrees | 16 |
| 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 | 560.5 N @ 100 mph (126.0 lbf @ 100 mph) |
| Wind Speed, maximum | 130 km/h (81 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

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