



## DB224-A

**1-port omni exposed dipole antenna, 150–160 MHz, 360° HPBW, fixed electrical tilt**

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

### Electrical Specifications

<b>Frequency Band, MHz</b>	<b>150–160</b>
Gain, dBi	8.1
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	16.0
Beam Tilt, degrees	0
VSWR   Return Loss, dB	1.5   14.0
Input Power per Port, maximum, watts	500
Polarization	Vertical
Impedance	50 ohm

### Electrical Specifications, BASTA\*

\* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs.](#)

### General Specifications

Operating Frequency Band	150 – 160 MHz
Antenna Type	Omni
Band	Single band
Performance Note	Outdoor usage

### Mechanical Specifications

RF Connector Quantity, total	1
RF Connector Quantity, low band	1
RF Connector Interface	N Male
Color	Silver
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Aluminum
RF Connector Location	Bottom
Wind Loading, maximum	560.5 N @ 100 mph 126.0 lbf @ 100 mph
Wind Speed, maximum	130 km/h   81 mph

### Dimensions

DB224-A

Length 6477.0 mm | 255.0 in

Net Weight, without mounting kit 15.9 kg | 35.1 lb

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU

China RoHS SJ/T 11364-2006

ISO 9001:2008

### Classification

Compliant by Exemption

Above Maximum Concentration Value (MCV)

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

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Mount Type	Pipe mounts
Application	Outdoor
Includes	Brackets   Hardware
Package Quantity	2

### Mechanical Specifications

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Color	Silver
Material Type	Galvanized steel

### Dimensions

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Compatible Diameter, maximum	88.9 mm   3.5 in
Compatible Diameter, minimum	31.8 mm   1.3 in
Net Weight	3.2 kg   7.0 lb

### Regulatory Compliance/Certifications

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#### Agency

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ISO 9001:2008

#### Classification

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