

# 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

## 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, low band	1
RF Connector Quantity, total	1

## Dimensions

Length	6477 mm   255 in
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## Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	150 – 160 MHz
Polarization	Vertical

## Electrical Specifications

Frequency Band, MHz	150–160
Gain, dBi	8.1
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	16

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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	126.0 lbf @ 100 mph   560.5 N @ 100 mph
Wind Speed, maximum	130 km/h   80.778 mph

## Packaging and Weights

Net Weight, without mounting kit	15.9 kg   35.053 lb
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## Regulatory Compliance/Certifications

Agency	Classification
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.
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## \* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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