

# DB224-E

---



1-port omni exposed dipole antenna, 138–150 MHz, 360° HPBW, fixed electrical tilt

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

## General Specifications

<b>Antenna Type</b>	Omni
<b>Band</b>	Single band
<b>Color</b>	Silver
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radiator Material</b>	Aluminum
<b>RF Connector Interface</b>	N Male
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, low band</b>	1
<b>RF Connector Quantity, total</b>	1

## Dimensions

<b>Length</b>	6858 mm   270 in
---------------	------------------

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	138 – 150 MHz
<b>Polarization</b>	Vertical

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>138–150</b>
<b>Gain, dBi</b>	8.1
<b>Beamwidth, Horizontal, degrees</b>	360
<b>Beamwidth, Vertical, degrees</b>	16

# DB224-E

---

<b>Beam Tilt, degrees</b>	0
<b>VSWR   Return loss, dB</b>	1.5   14.0
<b>Input Power per Port, maximum, watts</b>	500

## Mechanical Specifications

<b>Wind Loading at Velocity, maximum</b>	126.0 lbf @ 100 mph   560.5 N @ 100 mph
<b>Wind Speed, maximum</b>	130 km/h   80.778 mph

## Packaging and Weights

<b>Net Weight, without mounting kit</b>	17.2 kg   37.919 lb
---	---------------------

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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