



## DB224-E

**Omni Exposed Dipole Antenna, 138–150 MHz, 360° horizontal beamwidth, fixed electrical tilt**

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

### Electrical Specifications

<b>Frequency Band, MHz</b>	<b>138–150</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

### General Specifications

Operating Frequency Band	138 – 150 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

Length	6858.0 mm   270.0 in
Net Weight, without mounting kit	17.2 kg   37.9 lb

### Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant by Exemption

DB224-E

China RoHS SJ/T 11364-2006  
ISO 9001:2008

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