



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

Frequency Band, MHz	138–150
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

Antenna Type	Omni
Band	Single band
Operating Frequency Band	138 – 150 MHz
Performance Note	Outdoor usage

Mechanical Specifications

Color	Silver
Lightning Protection	dc Ground
Radiator Material	Aluminum
RF Connector Interface	N Male
RF Connector Location	Bottom
RF Connector Quantity, total	1
Wind Loading, maximum	560.5 N @ 100 mph 126.0 lbf @ 100 mph
Wind Speed, maximum	129 km/h 80 mph

Dimensions

Length	6858.0 mm 270.0 in
Net Weight	17.2 kg 38.0 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

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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