

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

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, high band	0
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	1
RF Connector Quantity, total	1

Dimensions

Length	6858 mm 270 in
Net Weight, without mounting kit	17.2 kg 37.919 lb

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	138 – 150 MHz
Polarization	Vertical

Electrical Specifications

Frequency Band, MHz	138–150
Gain, dBi	8.1
Beamwidth, Horizontal,	360

DB224-E

degrees

Beamwidth, Vertical, degrees	16
Beam Tilt, degrees	0
VSWR Return loss, dB	1.5 14.0
Input Power per Port, maximum, watts	500

Mechanical Specifications

Wind Loading @ Velocity, maximum	560.5 N @ 100 mph (126.0 lbf @ 100 mph)
Wind Speed, maximum	130 km/h (81 mph)

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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DB365-0S

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.

Product Classification

Product Type Pipe mounting kit

General Specifications

Application Outdoor

Color Silver

Dimensions

Compatible Diameter, maximum 88.9 mm | 3.5 in

Compatible Diameter, minimum 33 mm | 1.299 in

Weight, net 3.2 kg | 7.055 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 2

Weight, gross 3.6 kg | 7.937 lb

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

