

# Product Specifications

DB224-E

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



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

## CHARACTERISTICS

### General Specifications

Antenna Type                      Omni, exposed dipole  
Operating Frequency Band    138 – 150 MHz

### Electrical Specifications

Frequency Band, MHz	138–150
Beamwidth, Horizontal, degrees	360
Gain, dBd	6.0
Gain, dBi	8.1
Beamwidth, Vertical, degrees	16.0
Beam Tilt, degrees	0
VSWR   Return Loss, db	1.5:1   14.0
Input Power per Port, maximum, watts	500
Polarization	Vertical
Impedance	50 ohm
Lightning Protection	dc Ground

**AVAILABLE FROM**



**CALL >> 1-815-790-4494**  
**wb9mcw@gmail.com**

# Product Specifications

DB224-E



## Mechanical Specifications

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Color	Silver
Connector Interface	N Male
Connector Location	Bottom
Connector Quantity	1
Wind Loading, maximum	560.5 N @ 100 mph 126.0 lbf @ 100 mph
Wind Speed, maximum	128.7 km/h   80.0 mph

## Dimensions

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Length	6858.0 mm   270.0 in
Net Weight	17.2 kg   38.0 lb

## Regulatory Compliance/Certifications

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Agency	Classification
RoHS 2002/95/EC	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



## 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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# Product Specifications



## 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

## CHARACTERISTICS

### General Specifications

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Mount Type	Pipe mounts
Includes	Brackets   Hardware
Package Quantity	2

### Mechanical Specifications

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Color	Silver
Material Type	Galvanized steel

### Dimensions

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Compatible Diameter, maximum	88.9 mm   3.5 in
Compatible Diameter, minimum	31.8 mm   1.3 in
Net Weight	3.2 kg   7.0 lb

### Packed Dimensions

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Height	101.6 mm   4.0 in
Length	304.8 mm   12.0 in
Shipping Weight	3.63 kg   8.00 lb
Width	304.8 mm   12.0 in

### Regulatory Compliance/Certifications

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<b>Agency</b>	<b>Classification</b>
RoHS 2002/95/EC	Compliant
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ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

