



## DB408-B

**Omni Exposed Dipole Antenna, 450–470 MHz, 360° horizontal beamwidth, fixed electrical tilt**

- Broad response
- Moisture resistant
- Rugged, reliable design

### Electrical Specifications

<b>Frequency Band, MHz</b>	<b>450–470</b>
Gain, dBi	8.7
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	14.0
Beam Tilt, degrees	0
VSWR   Return Loss, dB	1.5   14.0
Input Power per Port, maximum, watts	250
Polarization	Vertical
Impedance	50 ohm

### General Specifications

Operating Frequency Band	450 – 470 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	End of flexible lead
Wind Loading, maximum	338.1 N @ 100 mph 76.0 lbf @ 100 mph
Wind Speed, maximum	201 km/h   125 mph

### Dimensions

Length	2870.2 mm   113.0 in
Net Weight, without mounting kit	7.7 kg   17.0 lb

### Regulatory Compliance/Certifications

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

DB408-B

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