



## DB420-B

**Andrew® 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	11.3
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	7.0
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

Antenna Brand	Andrew®
Antenna Type	Omni, exposed dipole
Band	Single band
Operating Frequency Band	450 – 470 MHz
Performance Note	Outdoor usage

### Mechanical Specifications

Color	Silver
Lightning Protection	dc Ground
Radiator Material	Aluminum
RF Connector Interface	N Male
RF Connector Location	End of flexible lead
RF Connector Quantity, total	1
Wind Loading, maximum	591.6 N @ 100 mph 133.0 lbf @ 100 mph
Wind Speed, maximum	161 km/h   100 mph

### Dimensions

Length	5918.2 mm   233.0 in
Net Weight	15.6 kg   34.5 lb

### Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)

DB420-B

ISO 9001:2008

Designed, manufactured and/or distributed under this quality management system



## Included Products

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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

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Performance Note      Severe environmental conditions may degrade optimum performance