

# DB420-B

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1-port omni exposed dipole antenna, 450–470 MHz, 360° HPBW, fixed electrical tilt

- Broad response
- Moisture resistant
- Rugged, reliable design

## General Specifications

<b>Antenna Type</b>	Omni
<b>Band</b>	Single band
<b>Color</b>	Silver
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radiator Material</b>	Aluminum
<b>RF Connector Interface</b>	N Male
<b>RF Connector Location</b>	End of flexible lead
<b>RF Connector Quantity, low band</b>	1
<b>RF Connector Quantity, total</b>	1

## Dimensions

<b>Length</b>	5,918.2 mm   233 in
<b>Net Weight, without mounting kit</b>	15.6 kg   34.392 lb

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	450 – 470 MHz
<b>Polarization</b>	Vertical

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>450–470</b>
<b>Gain, dBi</b>	11.3
<b>Beamwidth, Horizontal, degrees</b>	360
<b>Beamwidth, Vertical, degrees</b>	7

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<b>Beam Tilt, degrees</b>	0
<b>VSWR   Return loss, dB</b>	1.5   14.0
<b>Input Power per Port, maximum, watts</b>	250

## Mechanical Specifications

<b>Wind Loading @ Velocity, maximum</b>	591.6 N @ 100 mph (133.0 lbf @ 100 mph)
<b>Wind Speed, maximum</b>	161 km/h (100 mph)

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## 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

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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