

# DB992HG28N-B



1-port small cell antenna, 1710–2490 MHz, 30° HPBW, fixed electrical tilt

- High gain array ideal for point-to-point and repeater applications
- Unique mounts allow vertical or horizontal polarization

## General Specifications

<b>Antenna Type</b>	Small Cell
<b>Band</b>	Single band
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	ABS, UV resistant
<b>Radiator Material</b>	Aluminum
<b>RF Connector Interface</b>	N Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	1
<b>RF Connector Quantity, total</b>	1

## Dimensions

<b>Width</b>	311 mm   12.244 in
<b>Depth</b>	124 mm   4.882 in
<b>Length</b>	311 mm   12.244 in
<b>Net Weight, without mounting kit</b>	1.3 kg   2.866 lb

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1710 – 2490 MHz
<b>Polarization</b>	Horizontal   Vertical   Vertical

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>1710–2170</b>	<b>2170–2490</b>
<b>Gain, dBi</b>	16	16

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<b>Beamwidth, Horizontal, degrees</b>	28	28
<b>Beamwidth, Vertical, degrees</b>	30	30
<b>Beam Tilt, degrees</b>	0	0
<b>USLS, typical, dB</b>	15	15
<b>Front-to-Back Ratio at 180°, dB</b>	30	30
<b>VSWR   Return loss, dB</b>	1.4   15.6	1.9   10.1
<b>PIM, 3rd Order, 2 x 10 W, dBc</b>	-150	-150
<b>Input Power per Port, maximum, watts</b>	100	100

## Mechanical Specifications

<b>Wind Loading @ Velocity, maximum</b>	156.0 N @ 150 km/h (35.1 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	201 km/h (125 mph)

## Regulatory Compliance/Certifications

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



## Included Products

DB390	-	Pipe Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Use for narrow panel antennas. Includes two pipe mounts.
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## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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# DB390



Pipe Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Use for narrow panel antennas. Includes two pipe mounts.

## Product Classification

**Product Type** Pipe mounting kit

## General Specifications

**Application** Outdoor

**Color** Silver

## Dimensions

**Compatible Diameter, maximum** 114.3 mm | 4.5 in

**Compatible Diameter, minimum** 61 mm | 2.402 in

**Weight, net** 2 kg | 4.409 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

**Weight, gross** 2.1 kg | 4.63 lb

## Regulatory Compliance/Certifications

Agency	Classification
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>
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