

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

Electrical Specifications

Frequency Band, MHz	1710–2170	2170–2490
Gain, dBi	16.0	16.0
Beamwidth, Horizontal, degrees	28	28
Beamwidth, Vertical, degrees	30.0	30.0
Beam Tilt, degrees	0	0
USLS, typical, dB	15	15
Front-to-Back Ratio at 180°, dB	30	30
VSWR Return Loss, dB	1.4 15.6	1.9 10.1
PIM, 3rd Order, 2 x 10 W, dBc	-150	-150
Input Power per Port, maximum, watts	100	100
Polarization	Horizontal Vertical	Horizontal Vertical
Impedance	50 ohm	50 ohm

General Specifications

Operating Frequency Band	1710 – 2490 MHz
Antenna Type	Small Cell
Band	Single band
Performance Note	Outdoor usage

Mechanical Specifications

RF Connector Quantity, total	1
RF Connector Quantity, high band	1
RF Connector Interface	N Female
Color	Light gray
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Aluminum
Radome Material	ABS, UV resistant
RF Connector Location	Bottom
Wind Loading, maximum	156.0 N @ 150 km/h 35.1 lbf @ 150 km/h
Wind Speed, maximum	201 km/h 125 mph

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Dimensions

Length	311.0 mm 12.2 in
Width	311.0 mm 12.2 in
Depth	124.0 mm 4.9 in
Net Weight, without mounting kit	1.3 kg 2.9 lb

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU
ISO 9001:2015
China RoHS SJ/T 11364-2014
CE

Classification

Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system
Above Maximum Concentration Value (MCV)
Compliant with the relevant CE product directives



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.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance