



## DB586-XC

**1-port omni antenna, 824–896 MHz, 360° HPBW, fixed electrical tilt, fits on 38–51 mm (1-1/2 to 2 in) OD pipe**

- Light weight, low profile omnidirectional antenna ideal for low to moderate gain applications
- Integral dual purpose mount allows top or side mounting

## Electrical Specifications

Frequency Band, MHz	824–896
Gain, dBi	8.1
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	18.0
Beam Tilt, degrees	0
VSWR   Return Loss, dB	1.5   14.0
PIM, 5th Order, 2 x 20 W, dBc	-153
Input Power per Port, maximum, watts	400
Polarization	Vertical
Impedance	50 ohm

## General Specifications

Operating Frequency Band	824 – 896 MHz
Antenna Type	Omni
Band	Single band
Includes	V-bolts
Performance Note	Outdoor usage

## Mechanical Specifications

RF Connector Quantity, total	1
RF Connector Quantity, low band	1
RF Connector Interface	N Female
Color	Horizon blue
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Brass
Radome Material	Fiberglass, UV resistant
RF Connector Location	Bottom
Wind Loading, maximum	89.4 N @ 100 mph 20.1 lbf @ 100 mph
Wind Speed, maximum	201 km/h   125 mph

## Dimensions

Length	1498.6 mm   59.0 in
Outer Diameter	38.1 mm   1.5 in
Net Weight, without mounting kit	3.7 kg   8.2 lb

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## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



## \* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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