



## DB583-Y

**Omni Antenna, 890–960 MHz, 360° horizontal beamwidth, 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	890–960
Gain, dBi	5.1
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	30.0
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

Antenna Type	Omni
Band	Single band
Operating Frequency Band	890 – 960 MHz
Includes	V-bolts
Performance Note	Outdoor usage

## Mechanical Specifications

Color	Horizon blue
Lightning Protection	dc Ground
Radiator Material	Brass
Radome Material	Fiberglass, UV resistant
RF Connector Interface	N Female
RF Connector Location	Bottom
RF Connector Quantity, total	1
Wind Loading, maximum	58.4 N @ 100 mph 13.1 lbf @ 100 mph
Wind Speed, maximum	201 km/h   125 mph

## Dimensions

Length	812.8 mm   32.0 in
Outer Diameter	38.1 mm   1.5 in
Net Weight	2.8 kg   6.3 lb

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## 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)
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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