

# Product Specifications

## DB586-Y

Omni Antenna, 890–960 MHz, 360° horizontal beamwidth, fixed electrical tilt



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

## CHARACTERISTICS

### General Specifications

Antenna Type	Omni
Includes	V-bolts
Operating Frequency Band	890 – 960 MHz

### Electrical Specifications

Frequency Band, MHz	890–960
Beamwidth, Horizontal, degrees	360
Gain, dBd	6.0
Gain, dBi	8.1
Beamwidth, Vertical, degrees	18.0
Beam Tilt, degrees	0
VSWR   Return Loss, db	1.5:1   14.0
Intermodulation Products, 5th Order, 2 x 20 W, dBc	-150
Input Power, maximum, watts	300
Polarization	Vertical
Impedance, ohms	50
Lightning Protection	dc Ground

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## Mechanical Specifications

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Color	Horizon blue
Connector Interface	N Female
Connector Location	Bottom
Connector Quantity	1
Wind Loading, maximum	89.4 N @ 100 mph 20.1 lbf @ 100 mph
Wind Speed, maximum	201.2 km/h   125.0 mph

## Dimensions

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Length	1498.6 mm   59.0 in
Outer Diameter	38.1 mm   1.5 in
Net Weight	3.7 kg   8.3 lb

## Regulatory Compliance/Certifications

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### Agency

RoHS 2002/95/EC  
China RoHS SJ/T 11364-2006

### Classification

Compliant by Exemption  
Above Maximum Concentration Value (MCV)

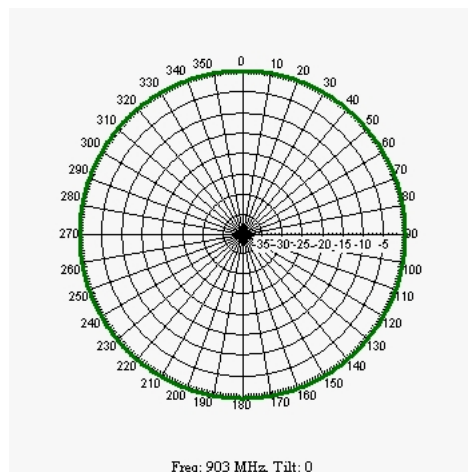


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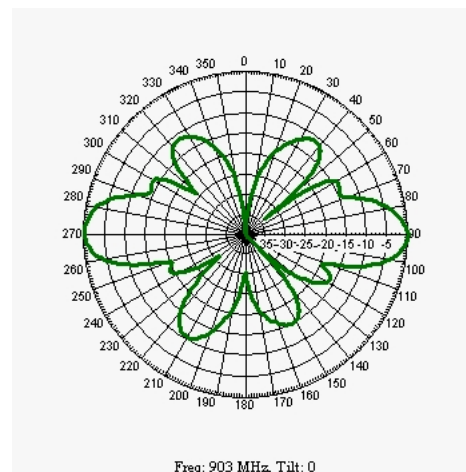
DB586-Y



## Horizontal Pattern



## Vertical Pattern



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