

# Product Specifications

## DB633-C

Omni Antenna, 450–482 MHz, 360° horizontal beamwidth, fixed electrical tilt



- Omnidirectional antenna
- Rugged, durable design, heavy duty radome for minimum tip deflection
- Invert mountable

## CHARACTERISTICS

### General Specifications

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Antenna Type                      Omni  
Operating Frequency Band      450 – 482 MHz

### Electrical Specifications

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<b>Frequency Band, MHz</b>	<b>450–482</b>
Beamwidth, Horizontal, degrees	360
Gain, dBd	3.0
Gain, dBi	5.1
Beamwidth, Vertical, degrees	35.0
Beam Tilt, degrees	0
VSWR   Return Loss, db	1.5:1   14.0
Input Power, maximum, watts	500
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	87.2 N @ 100 mph 19.6 lbf @ 100 mph
Wind Speed, maximum	201.2 km/h   125.0 mph

## Dimensions

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Length	1435.1 mm   56.5 in
Outer Diameter	50.8 mm   2.0 in
Net Weight	3.6 kg   8.0 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)



## INCLUDED PRODUCTS

### **DB365-OS**

Pipe Mounting Kit for 1.25 - 3.5 in (35 - 89 mm) OD round members

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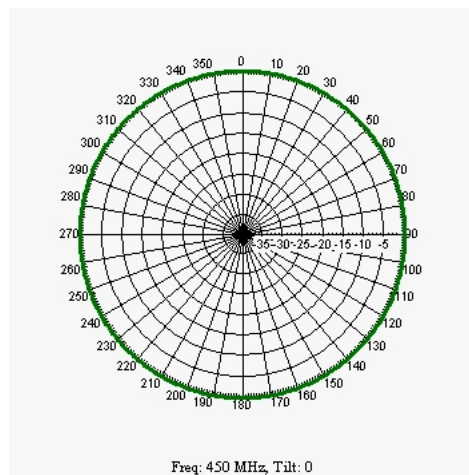
Join the Evolution The graphic for "Join the Evolution" consists of four blue circles of varying sizes arranged in a horizontal line, with the largest circle on the left and the others decreasing in size to the right.

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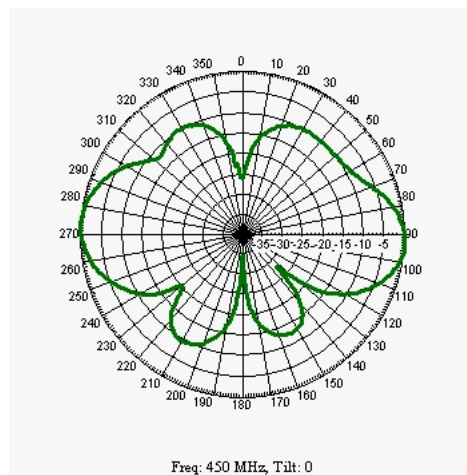
DB633-C



### Horizontal Pattern



### Vertical Pattern



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