### 1-port omni antenna, 450–482 MHz, 360° HPBW, fixed electrical tilt

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

## General Specifications

Antenna Type	Omni
Band	Single band
Color	Horizon blue
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	Fiberglass, UV resistant
Radiator Material	Brass
RF Connector Interface	N Female
RF Connector Location	Bottom
RF Connector Quantity, low band	1
RF Connector Quantity, total	1
Dimensions	
Length	2,895.6 mm   114 in
Net Weight, without mounting kit	30 kg   66.139 lb
Outer Diameter	63.5 mm   2.5 in
Electrical Specifications	
Impedance	50 ohm
Operating Frequency Band	450 – 482 MHz
Polarization	Vertical

# **Electrical Specifications**

Frequency Band, MHz	450-482
Gain, dBi	8.1
Beamwidth, Horizontal,	360

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# DB636-C

#### degrees

Beamwidth, Vertical, degrees	20
Beam Tilt, degrees	0
VSWR   Return loss, dB	1.5 14.0
Input Power per Port, maximum, watts	500

# Mechanical Specifications

Wind Loading @ Velocity, maximum	286.5 N @ 100 mph (64.4 lbf @ 100 mph)
Wind Speed, maximum	354 km/h (220 mph)

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
Included Product	ts
DB365-OS	<ul> <li>Pipe Mounting Kit that consists of two clamps for mounting antennas to round members 1.25 -</li> <li>3.5 in (35 - 89 mm) OD round members.</li> </ul>

## \* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

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