



DB636-C

Andrew® 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

Electrical Specifications

Frequency Band, MHz	450–482
Gain, dBi	8.1
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	20.0
Beam Tilt, degrees	0
VSWR Return Loss, dB	1.5 14.0
Input Power per Port, maximum, watts	500
Polarization	Vertical
Impedance	50 ohm

General Specifications

Antenna Brand	Andrew®
Antenna Type	Omni
Band	Single band
Operating Frequency Band	450 – 482 MHz
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	286.5 N @ 100 mph 64.4 lbf @ 100 mph
Wind Speed, maximum	354 km/h 220 mph

Dimensions

Length	2895.6 mm 114.0 in
Outer Diameter	63.5 mm 2.5 in
Net Weight	13.6 kg 30.0 lb

Regulatory Compliance/Certifications

DB636-C

Agency

RoHS 2011/65/EU
China RoHS SJ/T 11364-2006
ISO 9001:2008

Classification

Compliant by Exemption
Above Maximum Concentration Value (MCV)
Designed, manufactured and/or distributed under this quality management system



Included Products

DB365-OS — Pipe Mounting Kit that consists of two clamps for mounting antennas to round members 1.25 - 3.5 in (35 - 89 mm) OD round members.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance