



DB810KE-SY

Andrew® Omni Antenna, 870–960 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	870–960
Gain, dBi	12.1
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	4.2
Beam Tilt, degrees	0
VSWR Return Loss, dB	1.5 14.0
PIM, 5th Order, 2 x 20 W, dBc	-150
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	870 – 960 MHz
Performance Note	Outdoor usage

Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Brass
Radome Material	Fiberglass, UV resistant
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, total	1
Wind Loading, maximum	418.1 N @ 100 mph 94.0 lbf @ 100 mph
Wind Speed, maximum	322 km/h 200 mph

Dimensions

Length	5105.0 mm 201.0 in
Outer Diameter	76.0 mm 3.0 in
Net Weight	15.9 kg 35.1 lb

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Regulatory Compliance/Certifications

Agency	Classification
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



Included Products

DB5091-3 — Pipe Mounting Kit for 3.5 in (88.9 mm) OD round members

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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