



DB846F65ZAXY

Andrew® Antenna, 806–960 MHz, 65° horizontal beamwidth, fixed electrical tilt

- Excellent azimuth roll-off, reducing soft hand-offs and improving capacity
- Deep null filling below the horizon for improved signal intensity
- Rugged, reliable design, light weight for low tower loading
- Air dielectric feed system

OBSOLETE

This product was discontinued on: December 31, 2015

Replaced By

LDX-6515DS-VTM
LDX-6515DS-A1M

Andrew® Antenna, 790–960 MHz, 65° horizontal beamwidth, RET compatible variable electrical tilt

Electrical Specifications

Frequency Band, MHz	806–896	870–960
Gain, dBi	16.6	16.9
Beamwidth, Horizontal, degrees	65	60
Beamwidth, Vertical, degrees	11.0	10.5
Beam Tilt, degrees	0	0
USLS, typical, dB	15	15
Front-to-Back Ratio at 180°, dB	40	40
VSWR Return Loss, dB	1.33 17.0	1.33 17.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	500	500
Polarization	Vertical	Vertical
Impedance	50 ohm	50 ohm

General Specifications

Antenna Brand	Andrew®
Antenna Type	Sector
Band	Single band
Brand	Directed Dipole™
Operating Frequency Band	806 – 960 MHz
Performance Note	Outdoor usage

Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Aluminum
Radome Material	ABS, UV resistant
RF Connector Interface	7-16 DIN Female
RF Connector Location	Rear
RF Connector Quantity, total	1

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Wind Loading, maximum	387.0 N @ 100 mph 87.0 lbf @ 100 mph
Wind Speed, maximum	241 km/h 150 mph

Dimensions

Depth	216.0 mm 8.5 in
Length	1829.0 mm 72.0 in
Width	254.0 mm 10.0 in
Net Weight	9.5 kg 20.9 lb

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

DB380 — Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes 2 clamp sets and double nuts.

DB382NS — Side Offset Bracket for 4.5 in (114.3 mm) OD round members

DB5083 — Downtilt Mounting Kit for 2.4"-4.5" (60 - 115 mm) OD round members. Includes a heavy-duty, galvanized steel downtilt mounting bracket assembly and associated hardware. This kit is compatible with the DB380 pipe mount kit for panel antennas that are equipped with two mounting brackets.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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