



858DG65T3ESY

Andrew® Antenna, 870–960 MHz, 65° horizontal beamwidth, fixed electrical tilt

- Air dielectric feed system for maximum array efficiency and lowest loss

OBSOLETE

This product was discontinued on: December 31, 2014

Replaced By

LDX-6516DS-VTM	Andrew® Antenna, 790–960 MHz, 65° horizontal beamwidth, RET compatible variable
LDX-6516DS-A1M	electrical tilt

Electrical Specifications

Frequency Band, MHz	870–960
Gain, dBi	17.9
Beamwidth, Horizontal, degrees	65
Beamwidth, Vertical, degrees	7.0
Beam Tilt, degrees	3
USLS, typical, dB	18
Front-to-Back Ratio at 180°, dB	30
Isolation, dB	30
VSWR Return Loss, dB	1.33 17.0
PIM, 3rd Order, 2 x 20 W, dBc	-150
Input Power per Port, maximum, watts	500
Polarization	±45°
Impedance	50 ohm

General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol®
Band	Single band
Brand	DualPol®
Operating Frequency Band	870 – 960 MHz
Performance Note	Outdoor usage

Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Aluminum
Radome Material	Fiberglass, UV resistant
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom

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RF Connector Quantity, total 2

Wind Area, maximum 0.4 m² | 4.2 ft²

Wind Loading, maximum 1032.0 N @ 100 mph
232.0 lbf @ 100 mph

Wind Speed, maximum 241 km/h | 150 mph

Dimensions

Depth	142.0 mm 5.6 in
Length	2447.0 mm 96.3 in
Width	313.0 mm 12.3 in
Net Weight	15.5 kg 34.2 lb

Regulatory Compliance/Certifications

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

DB380-3 — Pipe Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Used for wide panel antennas. Includes three clamp sets.

DB5083D — Downtilt Mounting Kit for 2.4"-4.5" (60-115 mm) OD round members. Consists of two DB5083 heavy-duty, galvanized steel downtilt mounting brackets. This kit is compatible with the DB380-3 pipe mount for panel antennas with three mounting points.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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