



## DB854DG65ESY

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

- Air dielectric feed system for maximum array efficiency and lowest loss
- Air dielectric feed system with no screws, rivets, solder, or welding in dipole feed point
- Excellent upper sidelobe suppression
- Excellent gain per unit length of antenna

### **OBSOLETE**

This product was discontinued on: **May 31, 2014**

#### Replaced By

LDX-6513DS-VTM  
LDX-6513DS-A1M

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

## Electrical Specifications

Frequency Band, MHz	870–960
Gain, dBi	15.6
Beamwidth, Horizontal, degrees	65
Beamwidth, Vertical, degrees	14.0
Beam Tilt, degrees	0
USLS, typical, dB	15
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 0.2 m<sup>2</sup> | 1.9 ft<sup>2</sup>

Wind Loading, maximum 484.9 N @ 100 mph  
109.0 lbf @ 100 mph

Wind Speed, maximum 241 km/h | 150 mph

## Dimensions

Depth	144.5 mm   5.7 in
Length	1313.0 mm   51.7 in
Width	318.0 mm   12.5 in
Net Weight	8.4 kg   18.5 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 — Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes 2 clamp sets and double nuts.

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