

POWERED BY



DB848H65E-XY

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

- Excellent azimuth pattern shaping, 15–20 percent reduction in cell-to-cell overlap
- Superior front-to-back ratio
- Low profile for ease of zoning approval
- Outstanding field record—thousands of units deployed worldwide

OBSOLETE

This product was discontinued on: September 5, 2012

Electrical Specifications

Frequency Band, MHz	806–896	870–960
Gain, dBi	17.8	18.1
Beamwidth, Horizontal, degrees	65	65
Beamwidth, Vertical, degrees	7.5	7.5
Beam Tilt, degrees	0	0
Front-to-Back Ratio at 180°, dB	40	40
VSWR Return Loss, dB	1.4 15.6	1.4 15.6
PIM, 5th Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	500	500
Polarization	Vertical	Vertical
Impedance	50 ohm	50 ohm

Mechanical Specifications

Color	Light gray
Connector Interface	7-16 DIN Female
Connector Location	Back
Connector Quantity	1
Lightning Protection	dc Ground
Radome Material	ABS, UV resistant
Wind Area, maximum	0.6 m ² 6.6 ft ²
Wind Loading, maximum	1619.2 N @ 100 mph 364.0 lbf @ 100 mph
Wind Speed, maximum	241.4 km/h 150.0 mph

Dimensions

Depth	216.0 mm 8.5 in
Length	2438.0 mm 96.0 in
Width	520.0 mm 20.5 in
Net Weight	17.7 kg 39.0 lb

Regulatory Compliance/Certifications

Agency	Classification
--------	----------------

DB848H65EXY

RoHS 2011/65/EU

China RoHS SJ/T 11364-2006

ISO 9001:2008

Compliant by Exemption

Above Maximum Concentration Value (MCV)

Designed, manufactured and/or distributed under this quality management system

POWERED BY



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.