



DB844G65ZAXY

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

- Excellent azimuth roll-off, reducing sector-to-sector interference and soft hand-offs
- Air dielectric feed system with no screws, rivets, solder, or welding in dipole feed point
- Low profile for ease of zoning approval
- Excellent upper sidelobe suppression

Electrical Specifications

Frequency Band, MHz	806–896	870–960
Gain, dBi	15.6	15.9
Beamwidth, Horizontal, degrees	65	65
Beamwidth, Vertical, degrees	15.0	15.0
Beam Tilt, degrees	0	0
USLS, typical, dB	15	15
Null Fill, dB	-20	-20
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	Directed Dipole™
Band	Single band
Brand	Directed Dipole™
Operating Frequency Band	806 – 960 MHz

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
Wind Loading, maximum	235.8 N @ 100 mph 53.0 lbf @ 100 mph
Wind Speed, maximum	241.4 km/h 150.0 mph

Dimensions

Depth	229.0 mm 9.0 in
Length	1219.0 mm 48.0 in

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Width 254.0 mm | 10.0 in
Net Weight 5.4 kg | 11.9 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.