



DB846H80E-SX

Andrew® Directed Dipole™ Antenna, 806–896 MHz, 80° 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: December 19, 2014

Replaced By

LDX-9013DS-VTM

Andrew® Antenna, 790–960 MHz, 90° horizontal beamwidth, RET compatible

Electrical Specifications

Frequency Band, MHz	806–896
Gain, dBi	16.1
Beamwidth, Horizontal, degrees	80
Beamwidth, Vertical, degrees	10.0
Beam Tilt, degrees	0
USLS, typical, dB	15
Front-to-Back Ratio at 180°, dB	40
VSWR Return Loss, dB	1.5 14.0
PIM, 5th Order, 2 x 20 W, dBc	-150
Input Power per Port, maximum, watts	500
Polarization	Vertical
Impedance	50 ohm

General Specifications

Antenna Brand	Andrew®
Antenna Type	Sector
Band	Single band
Brand	Directed Dipole™
Operating Frequency Band	806 – 896 MHz
Performance Note	Outdoor usage

Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Brass
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 Area, maximum	0.2 m ² 1.7 ft ²
Wind Loading, maximum	425.3 N @ 100 mph 95.6 lbf @ 100 mph
Wind Speed, maximum	241 km/h 150 mph

Dimensions

Depth	216.0 mm 8.5 in
Length	1824.0 mm 71.8 in
Width	152.0 mm 6.0 in
Net Weight	7.2 kg 15.9 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.

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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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.

This product will be discontinued on: May 31, 2016

Replaced By

BSAMNT-1

Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

General Specifications

Antenna Brand	Andrew®
Mount Type	Pipe mounts
Application	Outdoor
Includes	Brackets Hardware
Package Quantity	1

Mechanical Specifications

Color	Silver
Material Type	Galvanized steel

Dimensions

Compatible Diameter, maximum	114.3 mm 4.5 in
Compatible Diameter, minimum	61.0 mm 2.4 in
Net Weight	2.8 kg 6.2 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



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

General Specifications

Antenna Brand	Andrew®
Mount Type	Pipe mounts
Application	Outdoor
Includes	Brackets Hardware
Package Quantity	2

Mechanical Specifications

Color	Silver
Material Type	Galvanized steel

Dimensions

Compatible Diameter, maximum 114.3 mm | 4.5 in

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system





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.

This product will be discontinued on: May 31, 2016

Replaced By

BSAMNT-1

Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

General Specifications

Antenna Brand	Andrew®
Mount Type	Downtilt mounts
Application	Outdoor
Includes	Brackets Hardware
Package Quantity	1

Mechanical Specifications

Color	Silver
Material Type	Galvanized steel

Dimensions

Compatible Diameter, maximum	114.3 mm 4.5 in
Compatible Diameter, minimum	61.0 mm 2.4 in
Net Weight	2.2 kg 4.9 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

