



858DG90T3ESY

Andrew® DualPol® Antenna, 870–960 MHz, 90° 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

OBSOLETE

This product was discontinued on: December 31, 2012

Electrical Specifications

Frequency Band, MHz	870–960
Gain, dBi	16.7
Beamwidth, Horizontal, degrees	90
Beamwidth, Vertical, degrees	8.0
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

Mechanical Specifications

Color	Light gray
Connector Interface	7-16 DIN Female
Connector Location	Bottom
Connector Quantity	2
Lightning Protection	dc Ground
Radome Material	Fiberglass, UV resistant
Wind Area, maximum	0.4 m ² 4.2 ft ²
Wind Loading, maximum	1032.0 N @ 100 mph 232.0 lbf @ 100 mph
Wind Speed, maximum	241.4 km/h 150.0 mph

Dimensions

Depth	172.0 mm 6.8 in
Length	2451.0 mm 96.5 in
Width	314.0 mm 12.4 in
Net Weight	14.3 kg 31.5 lb

Regulatory Compliance/Certifications

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POWERED BY

**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.