



CSH-6516A-VT

Andrew® Tri-sector Antenna, 1710–2180 MHz, 65° horizontal beamwidth, RET compatible

OBSOLETE

This product was discontinued on: December 31, 2015

Replaced By

3X-V65A-3XR

Andrew Tri-sector Antenna, 1710–2690 MHz, 3 x 65° horizontal beamwidth, internal RET.

Electrical Specifications

Frequency Band, MHz	1710–1880	1850–1990	1920–2180
Gain, dBi	17.1	17.4	17.6
Beamwidth, Horizontal, degrees	65	63	61
Beamwidth, Vertical, degrees	7.5	7.0	6.7
Beam Tilt, degrees	2–10	2–10	2–10
USLS, typical, dB	16	16	16
Front-to-Back Ratio at 180°, dB	28	28	26
Isolation, dB	30	30	30
VSWR Return Loss, dB	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150
Input Power per Port, maximum, watts	350	350	350
Polarization	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm

General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol® tri-sector
Band	Single band
Brand	DualPol® Micro AcCELLerator™ Teletilt®
Operating Frequency Band	1710 – 2180 MHz
Performance Note	Outdoor usage

Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Low loss circuit board
Radome Material	Fiberglass, UV resistant
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, total	6

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Wind Loading, maximum	358.0 N @ 150 km/h 80.5 lbf @ 150 km/h
Wind Speed, maximum	241 km/h 150 mph

Dimensions

Length	1989.0 mm 78.3 in
Outer Diameter	200.0 mm 7.9 in
Net Weight	21.0 kg 46.3 lb

Remote Electrical Tilt (RET) Information

RET System	Teletilt®
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Packed Dimensions

Depth	336.0 mm 13.2 in
Length	2219.0 mm 87.4 in
Width	356.0 mm 14.0 in
Shipping Weight	28.0 kg 61.7 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



* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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