

TBXLHA-6565C-A3M



6-port sector antenna, 2x 824–960 and 4x 1710–2180 MHz, 65° HPBW, 3x RETs

- Three DualPol® antennas under one radome
- Interleaved dipole technology providing for attractive, low wind load mechanical package
- Each antenna is independently capable of field adjustable electrical tilt

OBSOLETE

This product was discontinued on: November 30, 2023

Replaced By:

RVV-65D-R3VB

6-port sector antenna, 2x 694–960 and 4x 1695–2690 MHz, 65° HPBW, 3x RET

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	PVC, UV resistant
Radiator Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	2
RF Connector Quantity, total	6

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	TBXLHA-6565C-A3M
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Dimensions

Width	269 mm 10.591 in
Depth	132 mm 5.197 in

TBXLHA-6565C-A3M

Length 2577 mm | 101.457 in

Net Weight, without mounting kit 25.4 kg | 55.997 lb

Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 1710 – 2180 MHz | 824 – 960 MHz

Polarization $\pm 45^\circ$

Electrical Specifications

Frequency Band, MHz	824–896	870–960	1710–1880	1850–1990	1920–2180
Gain, dBi	16.9	17.6	16.8	17.1	17
Beamwidth, Horizontal, degrees	70	67	65.4	61.8	58.6
Beamwidth, Vertical, degrees	7.4	7.1	7.2	6.9	6.7
Beam Tilt, degrees	0–8	0–8	2–10	2–10	2–10
USLS (First Lobe), dB	17	17	18	16	15
Front-to-Back Ratio at 180°, dB	25	25	28	26	25
CPR at Boresight, dB	23	24	14	14	14
CPR at Sector, dB	11	9	5	5	5
Isolation, Cross Polarization, dB	30	30	30	30	30
Isolation, Inter-band, dB	30	30	30	30	30
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150
Input Power per Port, maximum, watts	350	350	350	350	350

Mechanical Specifications

Wind Loading @ Velocity, frontal 922.0 N @ 150 km/h (207.3 lbf @ 150 km/h)

Wind Loading @ Velocity, lateral 202.0 N @ 150 km/h (45.4 lbf @ 150 km/h)

Wind Loading @ Velocity, rear 1,003.0 N @ 150 km/h (225.5 lbf @ 150 km/h)

Wind Speed, maximum 201 km/h (125 mph)

Packaging and Weights

Width, packed 376 mm | 14.803 in

TBXLHA-6565C-A3M

Depth, packed	267 mm 10.512 in
Length, packed	2890 mm 113.78 in
Weight, gross	37.3 kg 82.232 lb

Included Products

- 600899A-2 – 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.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

600899A-2



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.

Product Classification

Product Type Downtilt mounting kit

General Specifications

Application Outdoor

Color Silver

Dimensions

Compatible Diameter, maximum 114.3 mm | 4.5 in

Compatible Diameter, minimum 61 mm | 2.402 in

Weight, net 3.9 kg | 8.598 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 1

Weight, gross 4.2 kg | 9.259 lb

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

600899A-2

