

TBXLHA-6565B-VTM



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

- Three DualPol® antennas under one radome
- Interleaved dipole technology providing for attractive, low wind load mechanical package

OBSOLETE

This product was discontinued on: **March 31, 2021**

Replaced By:

RVV65B-C3-3XR

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 |

Dimensions

| | |
|---|---------------------|
| Width | 269 mm 10.591 in |
| Depth | 132 mm 5.197 in |
| Length | 2253 mm 88.701 in |
| Net Weight, without mounting kit | 21.7 kg 47.84 lb |

TBXLHA-6565B-VTM

Electrical Specifications

| | |
|---------------------------------|---------------------------------|
| Impedance | 50 ohm |
| Operating Frequency Band | 1710 – 2180 MHz 824 – 960 MHz |
| Polarization | ±45° |

Electrical Specifications

| Frequency Band, MHz | 824–896 | 870–960 | 1710–1880 | 1850–1990 | 1920–2180 |
|---|----------------|----------------|------------------|------------------|------------------|
| Gain, dBi | 15.9 | 16.5 | 15.6 | 15.6 | 15.6 |
| Beamwidth, Horizontal, degrees | 69.8 | 66.8 | 61 | 61.9 | 61 |
| Beamwidth, Vertical, degrees | 9.6 | 9.2 | 9.5 | 9.1 | 8.7 |
| Beam Tilt, degrees | 0–11 | 0–11 | 0–10 | 0–10 | 0–10 |
| USLS (First Lobe), dB | 15 | 15 | 15 | 15 | 15 |
| Front-to-Back Ratio at 180°, dB | 25 | 25 | 28 | 30 | 28 |
| CPR at Boresight, dB | 21 | 21 | 12 | 12 | 11 |
| CPR at Sector, dB | 13 | 10 | 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 | 1.4 15.6 | 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 | 793.0 N @ 150 km/h (178.3 lbf @ 150 km/h) |
| Wind Loading @ Velocity, lateral | 171.0 N @ 150 km/h (38.4 lbf @ 150 km/h) |
| Wind Loading @ Velocity, rear | 863.0 N @ 150 km/h (194.0 lbf @ 150 km/h) |
| Wind Speed, maximum | 201 km/h (125 mph) |

Packaging and Weights

| | |
|-----------------------|----------------------|
| Width, packed | 376 mm 14.803 in |
| Depth, packed | 267 mm 10.512 in |
| Length, packed | 2566 mm 101.024 in |

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Weight, gross

32.2 kg | 70.989 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 |



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