# HBX-3319DS-VTM | HBX-3319DS-A1M



#### 2-port sector antenna, 2x 1710–2180 MHz, 33° HPBW, RET compatible

- Exceptional horizontal roll-off and front-to-back ratio for superior capacity efficiency
- Extended elevation tilt for maximum flexibility in urban core areas
- Rugged, reliable design with excellent passive intermodulation suppression

#### OBSOLETE

This product was discontinued on: November 30, 2023

### General Specifications

Sector
Single band
Light Gray (RAL 7035)
RF connector inner conductor and body grounded to reflector and mounting bracket
Outdoor usage
PVC, UV resistant
Low loss circuit board
7-16 DIN Female
Bottom
2
0
0
2

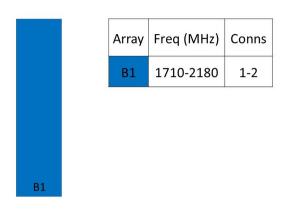
### Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	HBX-3319DS-A1M
Dimensions	
Width	269 mm   10.591 in
Depth	132 mm   5.197 in
Length	1463 mm   57.598 in
Net Weight, without mounting kit	12.7 kg   27.999 lb

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## Array Layout



Bottom

(Sizes of colored boxes are not true depictions of array sizes)

## **Electrical Specifications**

Impedance	50 ohm
Operating Frequency Band	1710 – 2180 MHz
Polarization	±45°

## **Electrical Specifications**

Frequency Band, MHz	1710-1880	1850-1990	1920-2180
Gain, dBi	20.5	20.7	21
Beamwidth, Horizontal, degrees	35	34	32
Beamwidth, Vertical, degrees	7	6.6	6.2
Beam Tilt, degrees	0-9	0-9	0-9
USLS (First Lobe), dB	18	18	18
Front-to-Back Ratio at 180°, dB	40	40	40
CPR at Boresight, dB	19	19	17
Isolation, Cross Polarization, 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	-153	-153	-153
Input Power per Port, maximum, watts	300	300	300





## HBX-3319DS-VTM | HBX-3319DS-A1M

### Mechanical Specifications

Wind Loading @ Velocity, frontal	406.0 N @ 150 km/h (91.3 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	103.0 N @ 150 km/h (23.2 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	506.0 N @ 150 km/h (113.8 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

## Packaging and Weights

Width, packed	376 mm   14.803 in
Depth, packed	267 mm   10.512 in
Length, packed	1776 mm   69.921 in
Weight, gross	22.2 kg   48.943 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.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant
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#### 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



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# 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

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CE	Compliant with the relevant CE product directives
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