

# Product Specifications



## This specification is PRELIMINARY

### W2XX-9013DS-VTM

DualPol® Antenna, 2300–2700 MHz, 90° horizontal beamwidth, RET compatible variable electrical tilt



- Exceptional horizontal pattern roll-off and strong front-to-back ratio
- Enhanced control of out-of-sector power reduces co-channel interference which is critical for high data rate system requirements
- Patented cross dipole and feed system
- Rugged, reliable design, light weight for low tower loading
- Field adjustable electrical tilt
- Fully compatible with Andrew remote electrical tilt system

## CHARACTERISTICS

### General Specifications

Antenna Type	DualPol®
Brand	DualPol®   Teletilt®
Operating Frequency Band	2300 – 2700 MHz

### Electrical Specifications

Frequency Band, MHz	2300–2700
Beamwidth, Horizontal, degrees	90
Gain, dBd	12.9
Gain, dBi	15.0
Beamwidth, Vertical, degrees	7.2
Beam Tilt, degrees	0–10
Upper Sidelobe Suppression (USLS), typical, dB	18
Null Fill, dB	15
Front-to-Back Ratio at 180°, dB	28
Isolation, dB	30
VSWR   Return Loss, db	1.4:1   15.6
Intermodulation Products, 3rd Order, 2 x 20 W, dBc	-150
Input Power, maximum, watts	250
Polarization	±45°
Impedance, ohms	50
Lightning Protection	dc Ground

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## Mechanical Specifications

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Color	Light gray
Connector Interface	7-16 DIN Female
Connector Location	Bottom
Connector Quantity	4
Wind Loading, maximum	444.0 N @ 100 mph 99.8 lbf @ 100 mph
Wind Speed, maximum	241.4 km/h   150.0 mph

## Dimensions

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Depth	100.0 mm   3.9 in
Length	1069.0 mm   42.1 in
Width	300.0 mm   11.8 in
Net Weight	10.7 kg   23.6 lb

## Remote Electrical Tilt (RET) Information

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Model with Factory Installed Actuator, AISG 1.1 mode	W2XX-9013DS-R2M
RET System	Teletilt®

## Included Products



### **600899A-2**

Downtilt Mounting Kit for 4.5 in (114.3 mm) OD round members