

UHF Antenna – Omnidirectional, Low-PIM, Unity Gain, “DAS Rated”

Model - DS4X00L36U-Series Antennas

Specifications	
Design Type	True Corporate Feed
Frequency Range	450-512 MHz
Passive Intermodulation – PIM (2 x 20W sources)	-150 dBc, 3 rd Order
Bandwidth	62 MHz
Gain (average over BW)	0 dBd
Configuration	Single antenna
Beam Tilt	(x) = - (0 degrees)
Vertical Beamwidth (E-Plane)	60°
Null fill and upper sidelobe supp.	No
Impedance	50 ohms
VSWR / Return Loss	1.5 : 1 / 14 dB (min.)
Average Power Rating	250 W
Peak Instantaneous Power	Not rated
Polarization	Vertical
Lightning Protection	Direct Ground
Connector DS4X00L36U(x)D DS4X00L36U(x)M	7/16 DIN (F) 4.3-10 (F)
Equivalent Flat-Plate Area	0.32 sq. ft.
Lateral Windload Thrust @100mph	14 lbf.
Wind Speed rating	175 mph (without ice) 149 mph (with ½” radial ice)
Total Length	2.9 feet
Mounting Mast Length	9 inches
Mounting Hardware (included)	DSH1V3R
Mounting Mast O.D.	2.5 inches
Radome O.D.	2.0 inches
Radome color	Horizon Blue
Weight (approx.)	9 lbs.
Shipping Weight (approx.)	17 lbs.
Invertibility	0° electrical down-tilt models are invertible. For other invertible tilt options contact dbSpectra at tech@dbspectra.com
Ordering Information DS4X00L36U(x)D – 7/16 DIN Connector DS4X00L36U(x)M – 4.3-10 Connector	1. Replace (x) in model number with Beam Tilt options. 2. “-” in the beam-tilt options represents 0° down-tilt.



Features and Benefits

Broad operational bandwidth – assures maximum performance and flexibility over the entire 380-470 MHz band.

PIM Rated Design – better than -150 dBc.

Excellent for DAS and other low-to-medium power applications requiring consistent low-PIM performance.

True Corporate Feed Array – provides for excellent gain and pattern consistency across a wider frequency range.

Sturdy Construction – Fiberglass radome assures consistent performance and long life.

Excellent Lightning Protection – heavy internal conductor DC ground.

Radiation Patterns

