

UHF Antenna – Omnidirectional, Low-PIM/Hi-PIP, 3.0 dBd

Model - DS3A03P36U-Series Antennas

Specifications	
Design Type	True Corporate Feed
Frequency Range	380-410 MHz
Passive Intermodulation – PIM (2 x 20W sources)	-150 dBc
Bandwidth	30 MHz
Gain (average over BW)	3.0 dBd
Configuration	Single antenna
Beam Tilt	(x) = - or 6 degrees
Vertical Beamwidth (E-Plane)	29°
Null fill and upper sidelobe supp.	Yes
Impedance	50 ohms
VSWR / Return Loss	1.5 : 1 / 14 dB (min.)
Average Power Rating	500 W (each antenna)
Peak Instantaneous Power	25 kW (each antenna)
Polarization	Vertical
Lightning Protection	Direct Ground
Connector DS3A03P36U(x)D DS3A03P36U(x)M	7/16 DIN (F) 4.3-10 (F)
Equivalent Flat-Plate Area	1.4 sq. ft.
Lateral Windload Thrust @100mph	58 lbf.
Rated Wind Speed	225 mph (without ice) 191 mph (with ½" radial ice)
Total Length	8.4 feet
Mounting Mast Length	21 inches
Mounting Hardware (included)	DSH2V3R
Mast O.D.	2.5 inches
Radome O.D.	3.0 inches
Radome color	Horizon Blue
Weight (approx.)	40 lbs.
Shipping Weight (approx.)	60 lbs.
Invertibility	Antennas are not invertible. For invertible tilt options contact dbSpectra at tech@dbspectra.com
Ordering Information DS3A03P36U(x)D – 7/16 DIN Connector DS3A03P36U(x)M – 4.3-10 Connector	<ol style="list-style-type: none"> 1. Replace (x) in model number with Beam Tilt options. 2. "-" in the beam-tilt options represents 0° down-tilt.



Features and Benefits

Tested to stringent Peak Instantaneous Power (PIP) levels of 25 KW using dbSpectra's multi-channel P25 PIP test bed. High PIP level is demanded by today's digital systems.

PIM Rated Design – better than -150 dBc.

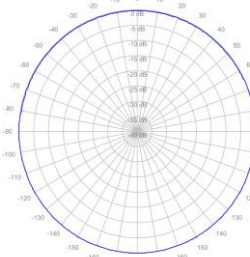
True Corporate Feed Array – provides for excellent gain and pattern consistency across a wider frequency range.

Sturdy Construction – Heavy-wall fiberglass radome minimizes tip deflection.

Excellent Lightning Protection – heavy internal conductor DC ground.

Radiation Patterns:

Horizontal (All)



Vertical (No tilt)

