

Product Data Sheet **ATC-HP100S03-631**

High Performance Antenna

- Deep dish antenna - assures pattern performance to FCC Part 101, Category A over 10.7 to 11.7 GHz.

10.0 to 11.7 GHz

- Broadband performance covers entire band.

Single Polarized, 3 ft Diameter

- Ideal for higher capacity routes, shorter hop length.



Electrical Specifications

Frequency Band, GHz	10.0 to 11.7
Gain, dBi (Bottom, Mid, Top)	37.5 / 38.3 / 38.9
Polarization Type	Single
Cross-Polar Discrimination, dB	30
Front to Back Ratio, dB	64
Antenna Beamwidth, degrees	2.0
VSWR (Return Loss, dB)	<1.3:1 (>17.7)
Radiation Pattern Envelope (RPE)	TBA
Pattern Compliance Types	FCC Part 101, Category A * *10.7 to 11.7 GHz
Input Connector	CPR90G
PIM 3 rd Order (2x20W), dBc	-150
Power Input, W	250

Mechanical Specifications

Mounting Pipe Diameter, mm / in	115 / 4.5
Azimuth Adjust Range, degs.	+ / - 15
Elevation Adjust Range, degs.	+ / - 15
Antenna Diameter, nom., m / ft	0.9 / 3
Antenna Weight, kg / lbs	18 / 40
Shipping Weight, kg / lbs	24 / 53
Shipping Dimensions, mm / in	L 1050 / 41.3 W 400 / 15.7 H 1030 / 40.6
Antenna Color	Gray
Radome Color	Gray
Radome Type	Polymer
Logo on Radome Included	Yes

Environmental Specifications

Temperature Range, °F / °C	-40 to 140 / -40 to 60
Wind Velocity, Operational km/hr / mph	200 / 125
Wind Velocity, Survival km/hr / mph	250 / 155

