

Product Data Sheet **ATC-HP100S12-631**

High Performance Antenna

- Shielded antenna assures pattern performance to FCC Part 101, Category A.

10.0 to 11.7 GHz

- Broadband performance covers entire band.

Single Polarized, 12 ft Diameter

- Ideal for higher capacity routes, longer hop length.



Electrical Specifications

Frequency Band, GHz	10.0 to 11.7
Gain, dBi (Bottom, Mid, Top)	48.7 / 49.3 / 49.9
Polarization Type	Single
Cross-Polar Discrimination, dB	30
Front to Back Ratio, dB	77
Antenna Beamwidth, degrees	0.6
VSWR (Return Loss, dB)	<1.3:1 (>17.7)
Radiation Pattern Envelope (RPE)	TBA
Pattern Compliance Types	FCC Part 101, Category A
Input Connector	CPR90G
Passive IM 3 rd Order (2x20W), dBc	-150
Power Input, W	250

Mechanical Specifications

Mounting Pipe Diameter, mm / in	115 / 4.5
Azimuth Adjust Range, degs.	+ / - 5
Elevation Adjust Range, degs.	+ / - 5
Antenna Diameter, nom., m / ft	3.7 / 12
Antenna Weight, kg / lbs	420 / 926
Shipping Weight, kg / lbs	690 / 1521
Shipping Dimensions, mm / in	L 3990 / 157 W 2140 / 84.3 H 1530 / 60.2
Antenna Color	Gray
Radome Color	Gray
Radome Type	Fabric
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

