

# Product Data Sheet **ATC-HP100D03-631**

## 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.

## Dual 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                      | Dual  |
| 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 *<br>*10.7 to 11.7 GHz |
| Input Connector                        | CPR90G  |
| PIM 3 <sup>rd</sup> 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<br>W 400 / 15.7<br>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              |

