

- Automatically collect and output carrier position and attitude information
- Storage of more than 10 satellite position parameter
- Terminal One-key start, antenna tracking the satellite automatically
- Polarization direction automatically adjust
- Power-down memory and protection
- Device detection and status checking
- Power-on self test and fault alarming



| MODEL                              | AT450  |
|------------------------------------|--|
| Stabilization                      | 2 axis stable tracking                               |
| Antenna Type                       | Panel waveguide horn array                           |
| Dimension<br>(Diameter x Height)   | Φ930mm×279mm   |
| Weight                             | 78kg   |
| Frequency Range                    | RX : 18.70 ~ 20.20GHz TX : 29.00 ~ 30.00GHz          |
| Type<br>AMIP selectable by<br>A791 | Linear<br>VP/HP                                      |
| Receive G/T(Pinch 10°)             | 13.0dB/K@19.0GHz                                     |
| Transmit EIRP(dBW)                 | 49.6dBW@29GHz  |
| Axial ratio                        | ≤2dB   |
| RF Input(Tx)                       | 29.0-30.0GHz,WR28                                    |
| Rf Output(Rx)                      | 950-2150MHz,TNC 50Ω                                  |
| Power consumption                  | 120W(Average)  |
| Azimuth Range                      | 360°Continuous rotation                              |
| Pitch Range                        | 0°~90°(80°Performance reach the standard)            |
| Az/EI Velocity:Acceleration        | > 60°/s; > 100°/s <sup>2</sup>                       |
| Tracking accuracy                  | No more than 0.2°RMS                                 |
| DC Power                           | 28VDC  |
| Operating Temperature              | -55°C ~ 70°C   |
| Altitude                           | 16800Meters ( 55000Feet )                            |
| Meet with the standard             | ARINC 791-P1 APINC791-P2<br>RTCA DO-160G RTCA DO-178 |