



1.8m C/KU Band TVRO Antenna

Feature

- * Meets or exceeds CCIR. 580-6 requirements
- * High G/T, excellent pattern characteristics
- * Self-aligning aluminum reflector, no field alignment
- * Fashionable design, easy installation and adjustment
- * Aluminum reflector with high precision
- * Factory king post pedestal assembled to reduce installation time
- * Air or ocean transport packing



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| ELECTRICAL SPECIFICATION | | |
|---|--|---|
| Type | FS180-ECRx | FS180-KURx |
| Operating Frequency, GHz | C-Band Receive 3.625 ~ 4.2 (* 3.4~4.2) | Ku-Band Receive 12.25 ~ 12.75 (* 10.95~12.75) |
| Gain, Mid-band, dBi | 35.55 at 3.8GHz | 45.57 at 12.5GHz |
| VSWR | 1.3 | 1.3 |
| Antenna Noise Temperature | ½ port feed | ½ port feed |
| 10° Elevation | 38°K | 43°K |
| 20° Elevation | 33°K | 38°K |
| 40° Elevation | 29°K | 34°K |
| -3dB Beam Width, Mid-band | 2.742° | 0.865° |
| Typical G/T at 20° EL | 17.56dB/K(3.8GHz, 30K LNA) | 25.24dB/K(12.5GHz, 70K LNA) |
| Feed Interface | CPR-229G | WR-75 |
| Feed Insertion Loss,dB | 0.15 | 0.2 |
| Axial Ratio,dB | 0.75 | 1 |
| Cross Pol Isolation On Axis | ≥30dB | ≥30dB |
| First Sidelobe 90% Peaks under Following Envelop | Meet with CCIR. 580-6 | |
| MECHANICAL SPECIFICATION | | |
| Antenna Diameter | 1.8m | |
| Antenna Type | Prime-Focus | |
| Drive Mode | Manual | |
| Antenna Pointing Range | | |
| Azimuth | 0°~360 °(Continuous) | |
| Elevation | 5° ~ 90°(Continuous) | |
| Polarization | 180°(Continuous) | |
| Reflector Material | Precision formed aluminum | |
| Reflector Segments | 6 | |
| Mount Type | Pole mount | |
| ENVIRONMENTAL SPECIFICATION | | |
| Operational Wind | 72km/h Gusting to 97km/h | |
| Survival Wind | 200km/h | |
| Temperature | -40°C ~ + 60°C | |
| Relative Humidity | 100% | |
| Solar Radiation | 1000Kcal/ h/ m ² | |
| Seismic (Survival) | 0.3g (H), 0.15g (V) | |
| Ice Loading | 13mm Operational; 25mm Survival | |
| Seismic (Survival) | 0.3G's horizontal, 0.15G's vertical | |

* Products can be customized. Other frequency range needed can be customized.

Please refer to our company for details. Our company reserves the right of final interpretation. Any design and specifications are subject to change without notice.