



1.8M OFFSET ANTENNA SPECIFICATION

| ELECTRICAL SPECIFICATION | | | | |
|--|-----------------------------|------------|-------------|------------|
| Diameter | 1.8M | | | |
| Operating Frequency, GHz | C-Band | | Ku-Band | |
| | Receive | Transmit | Receive | Transmit |
| | 3.625~4.2 | 5.85~6.425 | 10.95~12.75 | 13.75~14.5 |
| Gain, Mid-band, dBi | 45.3 | 46.5 | 46.3 | 47.5 |
| Polarization | Linear | | Linear | |
| Cross Polarization Isolation (on Axis), dB | ≥30 | | | |
| VSWR | 1.25 | 1.25 | 1.25 | 1.25 |
| Feed Interface | CPR-229F | CPR-159G | WR-75 | WR-75 |
| Isolation, Tx to Rx, dB | 85 | | | |
| Radiation Pattern:First Sidelobe | ≤-14, Meet CCIR.580-4 | | | |
| MECHANICAL SPECIFICATION | | | | |
| Antenna Optics | Offset antenna | | | |
| Azimuth | 0°~360° | | | |
| Elevation | 1°~80° | | | |
| Surface Accuracy (RMS) | ≤ 0.5mm | | | |
| ENVIRONMENTAL SPECIFICATION | | | | |
| Operational Wind Loading | 14m/s (Gusting 20m/s) | | | |
| Survival Wind Loading | 54m/s | | | |
| Temperature | - 30°C ~ + 50°C | | | |
| Relative Humidity | 100% | | | |
| Solar Radiation | 1135Kcal/ h/ m ² | | | |
| Seismic (Survival) | 0.3g (H), 0.15g (V) | | | |