

| Electrical Specification | | | | | |
|---------------------------------------|-----------------------|---------------------------------|------------|-----------------------|------------|
| Type | | C62T | | K62T | |
| 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 | | 46.43 | 50.0 | 55.72 | 57.04 |
| Polarization | | Linear/Circular | | Linear | |
| XPD(on Axis), dB | | 35 | 35 | 35 | 35 |
| XPD across 1dB Beam Width, dB | | 33 | 33 | 33 | 33 |
| Axial Ratio (Circular-Polarized) | 2-Port Feed | 1.30 | 1.09 | | |
| | 4-Port Feed | 1.06 | 1.06 | | |
| VSWR | | 1.25 | 1.25 | 1.25 | 1.25 |
| Antenna Noise Temperature 2-port feed | | | | | |
| 10° Elevation | | 35K | | 50K | |
| 30° Elevation | | 25K | | 39K | |
| 50° Elevation | | 22K | | 36K | |
| -3 dB Beam Width, Mid-band | | 0.78° | 0.52° | 0.27° | 0.23° |
| Typical G/T (EL>10°, 2-port) | | 28.4dB/K (30° LNA) | | 35.2dB/K (70° LNA) | |
| Tx. Power Capability, KW | | | 5 | | 2 |
| Feed Interface | | CPR—229F | CPR—137F | WR-75 | WR-75 |
| Feed Insertion Loss, dB | | 0.2 | 0.2 | 0.25 | 0.25 |
| Isolation, Tx to Rx, dB | | 85 | | 85 | |
| Rx/Rx,Tx/Tx Linear,dB | | 30 | | 30 | |
| Rx/Rx,Tx/Tx Circular,dB | | 20 | | 20 | |
| Side lobes | | CCIR 580-4 | | | |
| Mechanical Specification | | | | | |
| Antenna Diameter | | 6.2m | | | |
| Antenna Type | | Ring Focus | | | |
| Surface Accuracy(RMS) | | ≤0.35mm | | | |
| Antenna Pointing Range | Azimuth | ±85° | | | |
| | Elevation | 0°~90°(Continuous) | | | |
| | Polarization | ±90°(Continuous) | | | |
| Drive Mode | | Manual or Motorized | | | |
| Motor Drive System | Azimuth Travel Rate | 0.1°/S(0.02°/S) | | | |
| | Elevation Travel Rate | 0.1°/S(0.02°/S) | | | |
| | Polarization | 1°/S | | | |
| Environmental Specification | | | | | |
| Operational Wind | | 72km/h gusting to 97km/h | | | |
| Survival Wind | | 216km/h | | | |
| Temperature | | -40°~+60° | | | |
| Relative Humidity | | 100% | | | |
| Solar Radiation | | 1135Kcal/h/m ² | | | |
| Ice Loading | | 13mm Operational; 30mm Survival | | | |

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