

Specifications

DTH

RF performance

| | Ku-Band 80 cm Series | Ku-Band 80 cm Series |
|----------------------------|-------------------------|-------------------------|
| F/D | 0.5 | 0.8 |
| Operating frequency | 10.70 – 12.75 GHz | 10.70 – 12.75 GHz |
| Gain (± 0.3 dBi) | 39.58 dBi @ 12.75 GHz | 39.02 dBi @ 12.75 GHz |
| 3 dB beamwidth | 2.10° @ 12.75 GHz | 2.25° @ 12.75 GHz |
| Antenna Cross-Polarization | > 30 dB (on axis) | > 30 dB (on axis) |
| VSWR | 1.3 : 1 Max. | 1.3 : 1 Max. |

Mechanical performance

| | | |
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| Material | Steel | Steel |
| Antenna Optics | One-piece offset feed prime focus | One-piece offset feed prime focus (Elliptical) |
| Mount Type | Elevation over azimuth | Elevation over azimuth |
| Elevation Adjustment Range | 15° - 90° continuous fine adjustment | 15° - 85° continuous fine adjustment |
| Azimuth Adjustment Range | 360° Continuous | 360° Continuous |
| Mast Pipe Size | 42mm OD | 42mm OD |
| Wind Loading (Operational) (Survival) | 80 km/h 180 km/h | 80 km/h 180 km/h |
| Temperature (Operational) | -40°C to 60°C | -40°C to 60°C |
| Rain (Operational) | 10 mm/h | 10 mm/h |
| Atmospheric Conditions | Salt, Pollutants and Contaminants as encountered in coastal and industrial areas: 720 hours ASTM B117 salt spray | Salt, Pollutants and Contaminants as encountered in coastal and industrial areas: 720 hours ASTM B117 salt spray |
| Humidity | 0 to 100% with condensation | 0 to 100% with condensation |



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