

Specifications

DTH

RF performance

	<i>Ku-Band 66 cm Series A</i>	<i>Ku-Band 66 cm Series B</i>
<i>F/D</i>	0.67	0.67
<i>Operating frequency</i>	10.70 – 12.75 GHz	10.70 – 12.75 GHz
<i>Gain (± 0.3 dBi)</i>	37.54 dBi @ 12.75 GHz	37.62 dBi @ 12.75 GHz
<i>3 dB beamwidth</i>	2.68° @ 12.75 GHz	2.57° @ 12.75 GHz
<i>Antenna Cross-Polarization</i>	> 30 dB (on axis)	> 30 dB (on axis)
<i>VSWR</i>	1.3 : 1 Max.	1.3 : 1 Max.

Mechanical performance

	Steel	Steel
<i>Antenna Optics</i>	One-piece offset feed prime focus (Non rolled) Type : Elliptical	One-piece offset feed prime focus (Non rolled) Type : Elliptical
<i>Mount Type</i>	Elevation over azimuth	Elevation over azimuth
<i>Reflector tilt adjustments (skew) and Marking</i>	60° to 160° in 2° increments with the 90° offset	60° to 160° in 2° increments with the 90° offset
<i>Elevation Adjustment Range</i>	10° - 90° continuous fine adjustment	10° - 90° continuous fine adjustment
<i>Azimuth Adjustment Range</i>	360° Continuous	360° Continuous
<i>Mast Pipe Size</i>	42mm/50mm OD	42mm OD
<i>Wind Loading (Survival)</i>	180 km/h	180 km/h
<i>(Operational)</i>	80 km/h	80 km/h
<i>Temperature (Operational)</i>	-40°C to 60°C	-40°C to 60°C
<i>Rain (Operational)</i>	10 mm/h	10 mm/h
<i>Atmospheric Conditions</i>	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
<i>Humidity</i>	0 to 100% with condensation	0 to 100% with condensation

