

Specifications

DTH

RF performance

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

Mechanical performance

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



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