

PERFORMANCE SPECIFICATIONS (APERTURE 1.2M)

★ R. F SPECIFICATIONS	★ Ku-Band	
	RECEIVE	TRANSMIT
1. Frequency	12.25-12.75Ghz * 10.95-12.75Ghz	14.0-14.5Ghz
2. Gain	42.15dB	43.19dB
3. VSWR	1.25:1	1.25:1
4. Beamwidth (-3dB)	1.3°	1.14°
5. Antenna Noise Temperature 20° Elevation	24 °K	
6. Typical G/T (at 20° Elevation, Clear horizon, 11.85Ghz / 90°K LNA)	22.7 dB/°K	
7. Power Handling Capability		1kW
8. Feed Interface	WR-75F	WR-75G
9. Feed Insertion Loss	0.2dB	0.2dB
10. Cross Polarization Isolation		
On Axis	35dB	35dB
Within 1 dB Contour	30dB	30dB
11. Port to Port Isolation (Tx-Rx with Filter)	≥ 85dB	
12. Sidelobes		-14dB
1st sidelobe		29—25Log θ dBi
100λ/D° ≤ θ ≤ 48°		
* Provided according to User's requirement		
★ MECHANICAL SPECIFICATION	★ ENVIRONMENTAL SPECIFICATIONS	
Reflector Material: Steel	Wind Loading	Operational 20 m/s Survival 35 m/s
Antenna Optics: Offset Feed	Temperature	Operational -40° to 60°
Mount Type: Elevation over Azimuth	Rain	Operational/Survival 10 cm / h
Elevation Adjustment	Ice	Operational/Survival 2.5cm
Range: 5° to 90°, Continuous	Atmospheric Conditions	Salt, Pollutants
Azimuth Adjustment	and Contaminants as Encountered	in Coastal and Industrial
Range: 360° Continuous	Areas	
Shipping Volume: 20 feet 65 units	Solar Radiation	1000kcal/hm ²
40 feet 131 units		
40 feet HC 148 units		

Design and specifications subject to change without notice

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