



ELECTRICAL PERFORMANCE

Antenna Size	3.7M	
Frequency(GHz)	Rx	Tx
	Rx: 7.25 -7.75GHz	Tx: 7.90 – 8.40GHz
Gain at Midband, dBi	47.6dBi	48.3dBi
VSWR	≤1.3:1	≤1.3:1
Axial Ratio (Circular Pol.)	≤1.15:1	≤1.1:1

Note: Axial ratio will depend upon entire feed assembly including filters, waveguide runs, isolators, etc.

Antenna Noise Temperature	
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10°Elevation	60°K	
20°Elevation	53°K	
30°Elevation	47°K	
Port to Port Isolation	20dB	20dB
Feed Interface	WR112	WR112
MECHANICAL SPECIFICATION		
Antenna Type	Ring Focus	
Surface Accuracy(RMS)	≤0.35mm	
Antenna travel range		
Azimuth	±85°	
Elevation	0°-90°	
ENVIRONMENTAL SPECIFICATION		
Wind loading		
Operational	80km/h	
Survival	201km/h	
Temperature	-40□ to 60□	
Rain	1/2" per hour	
Solar Radiation	360BTU/h/ft ²	