



<b>ELECTRICAL SPECIFICATION</b>		
Diameter	1.2M	
Operating Frequency, GHz	Ku-Band	
	Receive	Transmit
	10.95-12.75	14.0-14.5
Gain, Mid-band, dBi	42.1	43.2
XPD (on Axis), dB	35	35
XPD across 1dB Beam Width, dB	33	33
Axial Ratio (dB)	0.5	0.5
VSWR	1.25:1	1.25:1
-3dB Beam Width	1.5°	1.2°
Tx. Power Capability, KW	1Kw/Port	

Feed Interface	WR-75
Feed Insertion Loss, dB	0.4
Radiation Pattern: FirstSidelobe	CCIR.580
<b>Mechanical Specification</b>	
Azimuth	360°
Elevation	5°~90°
FinishesReflectorSurface	Aluminum panels with high-diffusing white paint
Surface Accuracy (RMS)	≤ 0.3mm
<b>Environmental Specification</b>	
Operational Wind	45mi/h(72km/h) thrusts to 60mi/h(97km/h)
Survival Wind	125mi/h(200km/h)
Temperature	- 30°C ~ + 60°C
Relative Humidity	100%
Seismic (Survival)	0.3g (H), 0.15g (V)



941-8883