



3.7M X-band Rx Only ANTENNA SPECIFICATION

ELECTRICAL SPECIFICATION

Frequency(GHz)	7.25~7.75
Gain(dBi)	≥47.1
VSWR	≤1.3 : 1
Noise Temperature,at 20° El	80K
Polarization	Dual Circular Pol./Dual Linear Pol.
Axial ratio	≤0.9
Port Isolation	≥18(Circular Pol.)
Interface type	BJ-84
First sidelobe(dB)	≤-14

MECHANICAL SPECIFICATION

Diameter	3.7M
Az travel range	±65°
El travel range	5° ~90°
Pol. travel range	±90°
Travel speed for Az&El (motorized)	0.01°/s~0.05°/s
Tracking mode	Manual or motorized
Reflector accuracy	≤0.5mm (RMS)
Power consumption (motorized)	1kW/380V, 0.5kW/220V

ENVIRONMENT SPECIFICATION

Operational wind	Wind for keeping accuracy 20.8m/s wind for decreasing accuracy28.4m/s
Store wind	35m/s
Survival wind	55m/s
Temperature	-40℃~60℃(Outside), -20℃~55℃(Indoor)
Humidity	0%~100%
Earthquake (Survival)	0.3 G's (H), 0.15 G's (V)
Solar	360 BTU/h/ft2
Ice	3 cm