



3.7M L-band Rx Only ANTENNA SPECIFICATION

ELECTRICAL SPECIFICATION

Frequency(GHz)	1.20~1.60
Gain(dBi)	≥30.4
VSWR	≤1.5 : 1
Interface type	N type
Polarization	Circular Pol.
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 accuracy 28.4m/s
Store wind	35m/s
Survival wind	55m/s
Temperature	-40°C ~60°C (Outside), -20°C ~55°C (Indoor)
Humidity	0%~100%
Earthquake (Survival)	0.3 G's (H), 0.15 G's (V)
Solar	360 BTU/h/ft ²
Ice	3 cm