

7.3 M Receive Only Antenna

Probecom can supply Satellite receive only antenna meet data receive and TV requirement. Probecom RXO antenna is made of high accuracy stretch-formed aluminum panel with stable structure. The RXO antenna systems with satisfactory performance of high gain, low side lobe and reliable operation, easy to operate and maintenance.

Options

- ⌚ High Accuracy Stretch-formed Aluminum Panel
- ⌚ Meet data receive and TV receive requirement
- ⌚ C-band, ku-band, ka-band, S-band,L-band frequency as option
- ⌚ Linear or Circular Polarized feed system as option;
- ⌚ Single/Dual Polarization as option
- ⌚ Manual/Motorized as option
- ⌚ High Erosion Resistance
- ⌚ Assembled and tested feed system before leaving factory;
- ⌚ Survival Wind Speed 125mph

Specification for 7.3m Rx antenna

Electrical Specification		
Type	7.3m Rx only antenna	
Operating Frequency, GHz	C-Band	Ku-Band
	Receive	Receive
	3.4~4.2	10.95~12.75
Typical Gain	47.4dB(F=3.8GHz)	56.8dB(F=11.8GHz)
Polarization	Linear/Circular	Linear
VSWR	1.3	1.3
Axial Ratio (Circular-Polarized) dB	0.5	
Feed Insertion Loss	0.5dB	0.4dB
Isolation (linear)	≥30dB	≥30dB
	(circular)	≥20dB
Feed Interface	CPR-229F	WR-75
Side lobe level	CCIR580-4	
First side lobe	≤-14dB	
Mechanical Specification		
Antenna Diameter	7.3m	
Antenna Type	Ring Focus	
Surface Accuracy(RMS)	≤0.5mm	
Antenna Pointing Range	Azimuth	±85°(three section)
	Elevation	0°~90°(Continuous)
	Polarization	±90°(Continuous)
Drive Mode	Manual or Motorized	
Motor Drive System	Azimuth Travel Rate	0.02°/S (0.05°/S)
	Elevation Travel Rate	0.02°/S (0.05°/S)
	POL Travel Rate	0.2°/S
Environmental Specification		
Operational Wind	79km/h gusting to 126km/h	
Survival Wind	200km/h	
Temperature	-40°~+60°	
Relative Humidity	100%	
Solar Radiation	1135Kcal/h/m ²	
Seismic(Survival)	0.3g(H), 0.15g(V)	
Ice Loading	13mm Operational; 25mm Survival	

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