

9 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 9.0m Rx antenna

Type	9M C/Ku Dual Band Network Receive Only Antenna	
	C-Band	Ku-Band
Operational Frequency, GHz	3.4-4.2GHz	10.95-12.75GHz
VSWR	1.30:1	1.30:1
Feed Insertion Loss	0.3dB	0.5dB
Polarization	Dual Linear/ Dual Circular	Dual Linear
Axial Ratio (Circular-Polarized)	1.06:1	
Isolation	L/R-HCP=20dB H/V-POL=30dB	
XPD	≥35dB	
Feed Interface	WR229F	WR75F
-3dB Beam Width	0.55°	0.19°
Sidelobes	29-25lgθ 1°≤θ≤ 20°	29-25lgθ 1°≤θ≤ 20°
First Sidelobe	≤-14dB	
Typical Gain	49.41dB(F=3.8GHz)	58.96dB(F=11.8GHz)
Antenna Noise Temperature	45°K@10°	70°K@10°
Mechanical Specification		
Antenna Type	Pedestal Jackscrew Drive	
Elevation Travel	0°to 90°	
Azimuth Travel	Motorized ±85°	
Environmental Specification		
Wind Resistance Capacity	45kmph 72kmph Operational Wind Speed (Operational) 60kmph 97kmph Operational Wind Speed (Degraded) 125kmph 200kmph Survival Wind Speed (Stow)	
Ambient Temperature	-45~50°C	
Relative Humidity	0%~100%	
Seismic(Survival)	0.3G’s Horizontal 0.15 G’s Vertical	

Probecom Microwave Technology Co.,Ltd

Address: Floor 12, Inland Port Mansion, Xi'an International Trade and Logistic Park, Xi'an, Shaanxi, China 710026
Tel: +86-29-88451625 88451755 Fax: +86-29-88860260 E-mail: sales@probecom.com; sales@probecom.cn