



**Antesky Science Technology Inc.**

Add: Zhongtian International Mansion, No.269 Taibai South Road Xi'an China

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### **3.7M RECEIVE ONLY ANTENNA**





## SPECIFICATIONS

### 3.7M Receive Only Antenna System

#### ELECTRICAL SPECIFICATION

Antenna	C-BAND	Ku-BAND
Frequency	3.625-4.2GHz	10.95-12.75GHz
Midband Gain	42dB	50.9dB
VSWR	≤1.25	≤1.25
-3dB Beamwidth	1.45°	0.5°
Noise Temperature	40°K	55°K
Polarization	Linear (circular as option)	Linear (circular as option)
Cross-pol.	>25dB on axis	>30dB on axis
Discrimination	(Linear)	(Linear)
Feed Interface	CPR229	WR75
Sidelobe	First Sidelobe ≤14dB Envelop P <sub>90%</sub> ≤ 52 10lgθ(D/Δ) 25lgθ	

#### MECHANICAL SPECIFICATION

Diameter	3.7m
Reflector material	Aluminum
Antenna Optics	Front feed
Mount Type	Elevation over Azimuth
Elevation Adjustment	0°to 90° (continuous)
Azimuth Adjustment	±80°
Surface Tolerance	0.4mm(r.m.s.)
Paint Color	White
Wind Loading	Operational: 80kmph Survival : 200kmph
Temperature	-45°C ~50°C
Relative Humidity	100%
Seismic(survival)	0.3G's horizontal 0.15 G's vertical



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