



1.8m C/KU Band TVRO Antenna

## Feature

- \* Meets or exceeds CCIR. 580-6 requirements
- \* High G/T, excellent pattern characteristics
- \* Self-aligning aluminum reflector, no field alignment
- \* Fashionable design, easy installation and adjustment
- \* Aluminum reflector with high precision
- \* Factory king post pedestal assembled to reduce installation time
- \* Air or ocean transport packing



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ELECTRICAL SPECIFICATION		
Type	FS180-ECRx	FS180-KURx
Operating Frequency, GHz	C-Band	Ku-Band
	Receive	Receive
	3.625 ~ 4.2 ( * 3.4~4.2)	12.25 ~ 12.75 ( * 10.95~12.75)
Gain, Mid-band, dBi	35.55 at 3.8GHz	45.57 at 12.5GHz
VSWR	1.3	1.3
Antenna Noise Temperature	½ port feed	½ port feed
10° Elevation	38°K	43°K
20° Elevation	33°K	38°K
40° Elevation	29°K	34°K
-3dB Beam Width, Mid-band	2.742°	0.865°
Typical G/T at 20° EL	17.56dB/K(3.8GHz, 30K LNA)	25.24dB/K(12.5GHz, 70K LNA)
Feed Interface	CPR-229G	WR-75
Feed Insertion Loss,dB	0.15	0.2
Axial Ratio,dB	0.75	1
Cross Pol Isolation On Axis	≥30dB	≥30dB
First Sidelobe 90% Peaks under Following Envelop	Meet with CCIR. 580-6	
MECHANICAL SPECIFICATION		
Antenna Diameter	1.8m	
Antenna Type	Prime-Focus	
Drive Mode	Manual	
Antenna Pointing Range		
Azimuth	0°~360 °(Continuous)	
Elevation	5° ~ 90°(Continuous)	
Polarization	180°(Continuous)	
Reflector Material	Precision formed aluminum	
Reflector Segments	6	
Mount Type	Pole mount	
ENVIRONMENTAL SPECIFICATION		
Operational Wind	72km/h Gusting to 97km/h	
Survival Wind	200km/h	
Temperature	-40°C ~ + 60°C	
Relative Humidity	100%	
Solar Radiation	1000Kcal/ h/ m2	
Seismic (Survival)	0.3g (H), 0.15g (V)	
Ice Loading	13mm Operational; 25mm Survival	
Seismic (Survival)	0.3G's horizontal, 0.15G's vertical	

\* Products can be customized. Other frequency range needed can be customized.

Please refer to our company for details. Our company reserves the right of final interpretation. Any design and specifications are subject to change without notice.