

9M Tvro Antenna

- 1) Double reflectors
- 2) Stretch formed aluminum major reflector with high precision
- 3) Both C-Band, Ku-Band, S-Band and L-Band are available
- 4) Both linear polarization and circular polarization are available
- 5) Good in anti-corrosion
- 6) No field alignment required
- 7) Factories the the kingpost prdestal and feed system assembly, in order to reduce installation time
- 8) Wind maximum can be achieved 125 mph
- 9) Custom made product

Tvro Antenna	9m Tvro antenna	
	C-BAND	Ku-BAND
Frequency	3.4-4.2GHz	10.95-12.75GHz
VSWR	1.25:1	1.3:1
Insertion Loss	0.25dB	0.3dB
Isolation	35dB	
Gain	49.22dB(F=3.8GHz)	58.71dB(F=11.8GHz)
Noise Temperature	42°K@10°	65°K@10°
Sidelobe Level	29-25lgθ	29-25lgθ
	1°≤θ≤ 20°	1°≤θ≤ 20°
First Sidelobe	≤-14dB	
Feed Interface	WR229	WR75
-3dB Beamwidth	0.568°	0.191°
Environmental		
Wind Loading	72kmph operational (Maintain Precision)	
	97kmph operational (Decrease Precision)	
	200kmph Survival (Fixed Heavenward)	
Seismic(survival)	0.3Gs horizontal 0.15 Gs vertical	
Relative Humidity	0%~100%	
Temperature	-45~50°C	
Mechanical		
Antenna Optics	Dual reflector antenna	
Elevation Adjustment	0°to 90°Continuous Fine Adjustment	
Azimuth Adjustment	±85° Continuous Adjustment(detach into three grade)	