



5.36m Ring-focus C-band & Ku-band TX & RX antenna

Features:

- Aluminum major reflector with high precision, using aluminum rod to stretch blank and then rivet them to form the reflector.
- Subreflector and corrugating feed and waveguide components which are precisely processed by numerically controlled machines.
- Column type seat and Truss type frame with high stiffness.
- Optional C Band and Ku Band.
- Auto control possesses electric equivalent angle display and automatic tracking device.
- Advanced surface painting techniques enable the device with high anticorrosive and antirust capabilities.
- Customizable upon user's needs



Mike Termondt

mike@satcom-services.com

Phone: 1.805.649.1384

Fax: 1.805.500.4328

Description:

SPECIFICATIONS	C-RECEIVE	C-TRANSMIT	Ku-RECEIVE	Ku-TRANSMIT
Frequency (GHz)	3.625-4.2	5.85-6.425	10.95-12.75	13.75-14.5
Typical Gain (dBi)	45.16	48.74	54.46	55.77
VSWR		1.25:1		
Beamwidth: -3dB	0.9067°	0.6°	0.311°	0.267°
-15dB		1.201°	0.622°	0.534°
Antenna Noise Temperature(°K)	2Port Feed		2/4Port Feed	
10°Elevation	37		62/68	
20°Elevation	29		53/59	
40°Elevation	23		44/49	
Power Handing Capability		5KW/Port		1KW/Port
Feed interface	CPR-229G	CPR-137G	WR-75	WR-75
Feed Insertion Loss	0.25dB	0.2dB	0.25dB	0.25dB
TX - RX	≥85dB		≥85dB	
Cross Polarization Isolation (on axis)	≥35dB		≥35dB	
Sidelobes		CCIR.580-4		
MECHANICAL SPECIFICATIONS				
Azimuth Travel		±65°		
Elevation Travel		0° to 90		
Elevation/Azimuth Axis Drive Rates		0.01°/S-0.03°/S		
Polarization Travel Rate		Manual±45° , Motor±20°		
Surface Accuracy		0.5mm(R.M.S)		
ENVIRONMENTAL SPECIFICATIONS				
Operational Winds	45mi/h(72km/h) gusts to 60mi/h(97km/h)			
Survival Winds	125mi/h(200km/h)			
Ambient Temperature		-40° to 50°		
Relative humidity	10- 100%			
Seismic (Survival)	0.3G ' s horizontal 0.15G ' s vertical			