6.2m 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' needs

SATCOM SERVICES
www.satcom-services.com
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)	3.4-4.2	5.85-6.725	10.95-12.75	13.75-14.5
Typical Gain (dBi)	46.17dB	50.21dB	55.722dB	57.03dB
VSWR	1.25:1			
Beamwidth:-3dB	0.807°	0.507°	0.269°	0.231°
-15dB	1.614°	1.01°	0.538°	0.462°
Antenna Noise Temperature(°K)	2Port Feed		2Port Feed	
10°Elevation	35°k		50°k	
20°Elevation	26°k		39°k	
40°Elevation	24°k		36°k	
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	±85°			
Elevation Travel	0°to 90			
Elevation/Azimuth Axis Drive Rates	0.02°/S-0.04°/S			
Polarization Travel Rate	±45°			
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	-45° to 60°			
Relative humidity	10%- 98%			
Seismic (Survival)	0.3G ' s horizontal 0.15G ' s vertical			