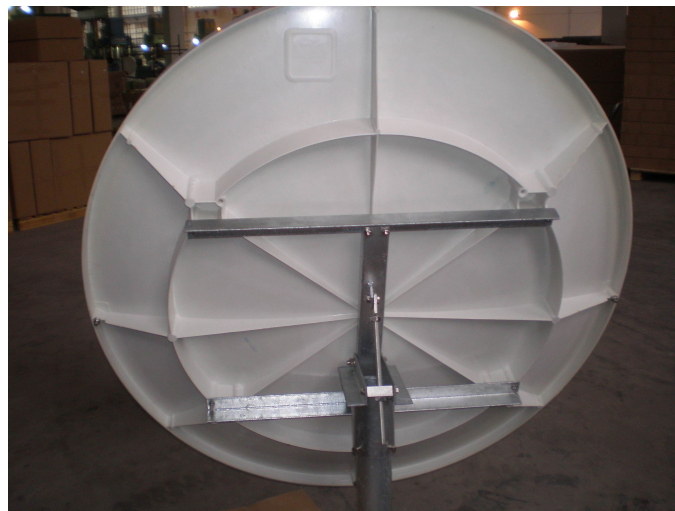


China Starwin 1.2M RX ONLY ANTENNA DATASHEET(SMC)



Description

China Starwin 1.2m SMC Rx only antenna delivers exceptional high performance for receive application in C, Ku band with high gain, low noise and low microwave interference. China Starwin 1.2m SMC Rx only antenna offers a fine reflector design with single piece of SMC panel (Fiber glass reinforced unsaturated polyester), strong back struts.

Technical Specification

R.F Specification	
Frequency	Ku-band : 10.75-12.95Ghz
Gain	41.7dB
VSWR	<1.2:1
Beam width(-3dB)	1.4°
Antenna Noise Temperature 20° Elevation	45°K
Feed Interface	WR-75
Cross Polarization Isolation	> 30dB
Port to Port Isolation (Tx-Rx with Filter)	≥85dB
Side lobes	-23dB
Mechanical Specification	
Reflector Material	single piece of SMC panels(Fiber glass reinforced unsaturated polyester)
Antenna Type	Prime Focus
Offset Angle	22.3°
Elevation Adjustment Range	0° to 90°, Continuous
Azimuth Adjustment Range	0° to 360° Continuous
Feed Installation	Three arms support
Environmental Specification	
Wind Loading Operation	20m/s~22m/s
Wind Loading Survival	45m/s
Temperature Operational	-40°~+60°
Temperature Survival	-45°~+70°
Atmospheric Conditions	Salt. Pollutants and Contaminants as Encountered in Coastal and Industrial Areas