

China Starwin 1 M KU BAND ANTENNA DATASHEET

1m Ku band antenna appearance



General description

China Starwin 1m Ku band antenna delivers exceptional high performance for transmit/receive application with high gain, low noise and low any interference.

China Starwin 1m Ku band antenna offers a fine reflector with a stretch formed panels and effective feeder. The standard designed azimuth over elevation pedestal provides a cost-effective solution for ground or roof installation with high stiffness, stability and good wind resistance.

The electrical performance is compliant with FCC and ITU-RS-580 sidelobe specifications and Intelsat, Eutelsat, SES, AsiaSat, ChinaSat, etc requirement.

Technical Specification

Item No.	SWKU10-CP2 (Starwin 1m Ku band antenna)	
Antenna Diameter	1.0 m	
Antenna Type	Offset	
Antenna Pedestal Type	Kingpost	
Antenna Drive Mode	Manual	
Frequency Range	Tx : 13.75~14.5 GHz Rx : 10.95~12.75 GHz	
Antenna Gain (dBi)	Tx : $G \geq 40.7 + 20 \lg(f/14.125)$ Rx :	
VSWR	$\leq 1.25:1$	
Polarization	Linear	
First Sidelobe	≤ -14.5 dB	
Feed Interface	Rx port: WR75, Tx port: WR75	
Driving range	Az	$0^\circ \sim 360^\circ$ (Continuous), sectional continuous Fine-tuning
	EI	
	Pol	$5^\circ \sim 90^\circ$ (Continuous), sectional continuous Fine-tuning $\pm 90^\circ$ (Continuous)
Operation Wind Speed	28 m/s	
Working Temperature	$-40^\circ\text{C} \sim +70^\circ\text{C}$ (outdoor)	
NPM	Size	1500*1500 mm
	Weight	30 kg (Specific weight in accordance with the actual