

China Starwin 1.8M KA BAND ANTENNA DATASHEET



General description

China Starwin 1.8 m Ka band antenna delivers exceptional high performance for transmit/receive application with high gain ,low noise and low microwave interference.

China Starwin 1.8 m Ka band antenna offers a fine reflector design with a stretch formed panels . 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, INMARSAT, ASIASAT,APT and CHINASAT, etc requirement.

Technical Specifications

Item No.	SW180KA-CP2 (Starwin 1.8m ka band antenna)
Antenna diameter	1.8m
Antenna type	Offset
Antenna pedestal type	Kingpost

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Antenna drive mode	Manual
Antenna working frequency	Ka 1Tx : 29GHz~30GHz Ka 1Rx: 19.7GHz~20.2GHz
Antenna gain (dBi)	Tx : $G \geq 51.5 + 20 \lg(f/29.5)$ Rx : $G \geq 48.1 + 20 \lg(f/19.95)$
VSWR	$\leq 1.40:1$
POLARIZATION	CIRCULAR
First Sidelobe	$\leq -14\text{dB}$
Feed interface	Rx port: WR42, Tx port: WR28
Driving range	Azimuth: $\pm 90^\circ$ under Elevation : $5^\circ \sim +85^\circ$
Working speed	Work under fifth level wind
Working temperature	$-40^\circ\text{C} \sim +55^\circ\text{C}$ (outdoor)