

China Starwin 0.9 M KA BAND ANTENNA DATASHEET

0.9m Ka band antenna appearance



General description

China Starwin 0.9m Ka band antenna delivers exceptional high performance for transmit/receive application with high gain, low noise and low any interference.

China Starwin 0.9 m Ka 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.	SWKA90-CP2 (Starwin 0.9m Ka band antenna)
Antenna Diameter	0.9 m
Antenna Type	Offset

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Antenna Pedestal Type	Kingpost
Antenna Drive Mode	Manual
Frequency Range	Tx : 28 GHz~31 GHz Rx : 18.2 GHz~21.0 GHz
Antenna Gain (dBi)	Tx : $G \geq 45.0 + 20\lg(f/29.5)$ Rx : $G \geq 41.5 + 20\lg(f/19.95)$
VSWR	$\leq 1.25:1$
Polarization	Circular or Liner
First Sidelobe	≤ -14.5 dB
Feed Interface	Rx port: WR42, Tx port: WR28
Driving range	Azimuth: $\pm 85^\circ$ under Elevation : $5^\circ \sim +85^\circ$
Operation Wind Speed	28 m/s
Working Temperature	$-40^\circ\text{C} \sim +70^\circ\text{C}$ (outdoor)