

JST900-0.9m ku band on the move Antenna



Antenna JST900

El equipo se adapta como antena de matriz de onda de panel, que tiene la característica de alta ganancia, baja altura y alta movilidad.

Features:

Stabilization	2 axis stable and 4 axis tracking	
Dimension(Diameter×Height)	1375×515mm	
Weight	100kg	
Frequency Range	RX	12.25~12.75GHz
	TX	14.00~14.50GHz
Type	Panel waveguide horn array	
Gain	RX	38.2dBi@12.50GHz
	TX	38.8dBi@14.25GHz
Cross pol Isolation	≥30dB	
Polarization	Linear	
Dynamic Accuracy	0.2° RMS	
Azimuth	360° continuous rotation	
Elevation	10° ~90°	
Polarization	360° continuous rotation	
Initial Acquisition time	≤120s	
Re-acquisition Time	block time ≤10 minutes, acquisition immediately; 10 minutes < block time ≤30 minutes, acquisition ≤5s; block time >30minutes, acquisition ≤10s	
Tracking Mode	INS measurement and signal tracking	
Input Power	AC220V 50Hz standard power consumption 300W (BUC excluded)	
Operating Temperature	-40℃~65℃	

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La antena adopta tecnologías líderes en la industria tales como el sistema de medición de la actitud de fusión GNSS / INS, el seguimiento del pico de exploración cónica y el algoritmo de cálculo y compensación de la actitud del portador, etc. Todas las tecnologías garantizan un seguimiento preciso bajo diversas condiciones.

Telecomunicaciones, emergencia gubernamental, empresa, medio ambiente y territorio, transporte, desastres y socorro.

SATCOM IN THE MOVE

@Land @Maritime @Airborne

Antenna JST900

Especificaciones :

Electronic specification

Antenna Type	Panel waveguide horn array
Operation Frequency	Rx: 12.25~12.75GHz; Tx: 14.00~14.50GHz
Antenna Gain	Rx: $\geq 38.2\text{dBi}@12.50\text{GHz}$ Tx: $\geq 38.8\text{dBi}@14.25\text{GHz}$
Polarization Mode	Linear
Cross Polarize Isolation	$\geq 30\text{dB}$
Port Isolation	$\geq 85\text{dB}$ (filter is included)

Mechanical specification

Size	1375*515mm(diameter*height)
Weight	100kg
Turntable rotate range	Azimuth: 360°continuous rotation Elevation: 10°~90° Polarization: 360°continuous rotation
Polarization mode	Auto tracking

Antenna tracking specification

Stabilization	2-axis stable 4-axis tracking
Tracking Mode	INS measurement and signal tracking
Tracking Accuracy	$\leq 0.2^\circ\text{RMS}$
Initial operating time	$\leq 120\text{s}$
Re-acquisition time	block time ≤ 10 min, acquisition immediately; 10 min $<$ block time ≤ 30 min, acquisition $\leq 5\text{s}$; block time $> 30\text{min}$, acquisition $\leq 10\text{s}$;

Other requirements

Power supply	AC220V 50Hz
Interface requirements	Power interface、network interface(RJ45)、debugging interface (RS 422)
Standard consumption	300W (BUC excluded)
Operation temperature	-40°C~65°C
Relative humidity	5%~95%
Wind load	Better than 55m/s
Three proofing	Moisture proofing, salt spay proofing and fungus proofing