

JSUT300-0.3m ku band Airborne VSAT Antenna



Antenna JSUT300

La antena JSUT300 utiliza dos modos de seguimiento estabilizado axial, integrado en el sistema de fusión de medición de altitud GNSS / INS, por lo tanto, para asegurarse de que la antena siempre apunta al satélite en el movimiento.

Features:

Stabilization	2 axis stable tracking	
Dimension(Diameter x Height)	Φ450 x 400mm	
Weight	11kg	
Frequency Range	Rx	12.25~12.75GHz
	Tx	14.00~14.50GHz
Type	Panel waveguide horn array	
Gain	Rx	29.5dBi@12.50GHz
	Tx	30.5dBi@14.25GHz
Polarization	Linear	
Tracking Accuracy	0.2° RMS	
Carrier Motion Range	Roll	-30° ~30° , period 8s
	Pitch	-30° ~30° , period 8s
	Yaw	40° /s
Azimuth	360° continuous rotation	
Elevation	0° ~90°	
Initial Acquisition time	≤120s	
Re-acquisition Time	block time ≤10 minutes, acquisition immediately; 10 minutes < block time ≤30 minutes, acquisition ≤5s; block time >30 minutes, acquisition ≤10s	
Tracking Mode	INS measurement and signal tracking	
Input Power	DC18~32V standard power consumption 55W (BUC excluded)	
Operating Temperature	-55°C~70°C	

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Con la antena JSUT300 realice la comunicación Tx / Rx. Peso ligero, volumen pequeño.

Helicóptero, avión civil y otros aviones.

SATCOM IN THE MOVE

@Land @Maritime @Airborne

Antenna JSUT300

Especificaciones :

Electronic specification

Antenna Type	Panel waveguide horn array
Operation Frequency	Tx: 14.00~14.50GHz; Rx: 12.25~12.75GHz
Antenna Gain	Tx: ≥30.5dBi@14.25GHz Rx: ≥29.5dBi@12.50GHz
Polarization Mode	Linear
Port Isolation	≥85dB (filter is included)

Mechanical specification

Size	450*400mm(diameter*height)
Weight	11kg
Turntable rotate range	Azimuth: 360°continuous Elevation: 0°~90°
Motion carrier attitude	Roll: ±30°, 8s period Pitch: ±30°, 8s period Yaw: 40°/s
Polarization mode	Auto tracking

Antenna tracking specification

Stabilization	2-axis stable tracking
Tracking Mode	INS measurement and signal tracking(beacon and carrier)
Tracking Accuracy	≤0.2°RMS
Initial operating time	10s
Re-acquisition time	1s

Other requirements

Power supply	DC18~32V
Interface requirements	Power interface、network interface(RJ45)、debugging interface (RS 422)
Standard consumption	55W (without BUC)
Operation temperature	-55°C~70°C
Relative humidity	5%~95%
Wind load	Better than 55m/s
Three proofing	Moisture proofing, salt spay proofing and fungus proofing