

## JST270-0.27m ku band Land Mobile VSAT Antenna



### Antenna JST270

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 tracking	
Dimension(Diameter x Height)	375 x 320mm	
Weight	10.5kg	
Frequency Range	RX	12.25-12.75GHz
	TX	14.00-14.50GHz
Type	Panel waveguide horn array	
Gain	RX	27.8dBi@12.50GHz
	TX	29.2dBi@14.25GHz
Cross pol Isolation	≥30dB	
Polarization	Linear	
Dynamic Accuracy	0.2° RMS	
Azimuth	360° continuous rotation	
Elevation	10° ~90°	
Polarization	0° ~270°	
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	DC24V standard power consumption150W (BUC excluded)	
Operating Temperature	-40℃~55℃	

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La antena maneja 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 ON THE MOVE

@Land @Maritime @Airborne

## Antenna JST270

## Especificaciones :

### Electronic specification

Antenna Type	Panel waveguide horn array
Operation Frequency	Rx: 12.25~12.75GHz; Tx: 14.00~14.50GHz
Antenna Gain	Rx: $\geq 27.8\text{dBi}@12.50\text{GHz}$ Tx: $\geq 29.2\text{dBi}@14.25\text{GHz}$
Polarization Mode	Linear
Cross Polarize Isolation	$\geq 30\text{dB}$
Port Isolation	$\geq 85\text{dB}$ (filter is included)

### Mechanical specification

Size	375*320mm(diameter*height)
Weight	10.5kg
Turntable rotate range	Azimuth: 360°continuous rotation Elevation: 10°~90° Polarization: 0°~270°
Polarization mode	Auto tracking

### Antenna tracking specification

Stabilization	2-axis stable tacking
Tracking Mode	INS measurement and signal tracking
Tracking Accuracy	0.2°RMS
Initial operating time	$\leq 120\text{s}$
Re-acquisition time	block time $\leq 60\text{s}$ acquisition immediately 60s< block time $\leq 10$ min: acquisition $\leq 15\text{s}$ block time $> 10\text{min}$ : acquisition $\leq 60\text{s}$

### Other requirements

Power supply	DC24V
Interface requirements	Power interface, network interface(RJ45), debugging interface (RS 422)
Standard consumption	150W ( BUC excluded)
Operation temperature	-40°C~55°C
Relative humidity	5%~95%
Wind load	Better than 55m/s
Three proofing	Moisture proofing, salt spay proofing and fungus proofing