

# 1.8m S band Transportable Fast Tracking Antenna

Product Category : Automatic LEO Tracking Transportable



## Product Parameters

<b>Antenna Category</b>	Automatic LEO Tracking Transportable
<b>Antenna Aperture</b>	1.8m
<b>Antenna Type</b>	Feed Forward
<b>Polarization</b>	Circular
<b>Frequency (Rx)</b>	2.20-2.30GHz
<b>Frequency (Tx)</b>	2.03-2.12GHz

<b>Port isolation (Rx-Tx)</b>	$\geq 85$ dB
<b>Port isolation (Tx-Rx)</b>	$\geq 40$ dB
<b>Gain(Rx)</b>	$\geq 29.34 + 20\lg(f/2.20)$ dBi
<b>Gain(Tx)</b>	$\geq 28.94 + 20\lg(f/2.10)$ dBi
<b>VSWR(Rx)</b>	$\leq 1.5:1$
<b>VSWR(Tx)</b>	$\leq 1.5:1$
<b>Motion range (AZ)</b>	X Axis: $\pm 85^\circ$
<b>Motion range (EL)</b>	Y Axis: $\pm 85^\circ$
<b>Motion range (POL)</b>	
<b>AZ</b>	X Axis: $0.1 \sim 5^\circ/s$
<b>EL</b>	Y Axis: $0.1 \sim 5^\circ/s$
<b>POL</b>	
<b>Initial acquisition time</b>	$\leq 3$ min
<b>Blockage recovery time</b>	$\leq 1$ min
<b>Power capacity</b>	$\leq 500$ W
<b>Operating Temperature</b>	$-40^\circ\text{C} \sim +60^\circ\text{C}$
<b>Storage Temperature</b>	$-55^\circ\text{C} \sim +70^\circ\text{C}$
<b>Humidity Requirement</b>	95%( $20^\circ\text{C}$ )
<b>Operating wind velocity</b>	13m/s
<b>Survival wind velocity</b>	20m/s
<b>Protection grade/IP Rating</b>	IP65
<b>Power supply</b>	90~264VAC, 47Hz~63Hz
<b>power consumption</b>	$\leq 350$ W (No power amplifier)
<b>Material</b>	Carbon Fiber
<b>Remarks</b>	

## Contact Us

Phone: (86)029-81156153

Email: bxcg0@sohu.com

Web:<http://localhost/>

Address:9th Floor, No. 32 Chuanghui Road, High-tech Zone, Xi'an City, Shaanxi Province, China