

# 1.2m Ka band Manual Flyaway Antenna

Product Category : Manual Flyaway



## Product Parameters

<b>Antenna Category</b>	Manual Flyaway
<b>Antenna Aperture</b>	1.2m
<b>Antenna Type</b>	Feed back
<b>Polarization</b>	Circular
<b>Frequency (Rx)</b>	17.70-21.20GHz
<b>Frequency (Tx)</b>	29.00-31.00GHz

<b>Port isolation (Rx-Tx)</b>	$\geq 85$ dB
<b>Port isolation (Tx-Rx)</b>	$\geq 40$ dB
<b>Gain(Rx)</b>	$\geq 45.41 + 20\lg(f/20.00)$ dBi
<b>Gain(Tx)</b>	$\geq 48.93 + 20\lg(f/30.00)$ dBi
<b>VSWR(Rx)</b>	$\leq 1.35:1$
<b>VSWR(Tx)</b>	$\leq 1.35:1$
<b>Motion range (AZ)</b>	$\pm 180^\circ$
<b>Motion range (EL)</b>	$0^\circ \sim 90^\circ$
<b>Motion range (POL)</b>	$\pm 90^\circ$
<b>AZ</b>	
<b>EL</b>	
<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°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>	Optional Feed: L/S

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