

3.0m C band Automatic Transportable Antenna

Product Category : Automatic Transportable



Product Parameters

Antenna Category	Automatic Transportable
Antenna Aperture	3.0m
Antenna Type	Feed Forward
Polarization	Linear
Frequency (Rx)	3.40-4.20GHz
Frequency (Tx)	5.85-6.725GHz

Port isolation (Rx-Tx)	≥ 85 dB
Port isolation (Tx-Rx)	≥ 40 dB
Gain(Rx)	$\geq 38.94 + 20\lg(f/3.80)$ dBi
Gain(Tx)	$\geq 43.33 + 20\lg(f/6.30)$ dBi
VSWR(Rx)	$\leq 1.5:1$
VSWR(Tx)	$\leq 1.5:1$
Motion range (AZ)	$\pm 180^\circ$
Motion range (EL)	$10^\circ \sim 90^\circ$
Motion range (POL)	$\pm 90^\circ$
AZ	$0.1 \sim 3^\circ/s$
EL	$0.1 \sim 1^\circ/s$
POL	
Initial acquisition time	≤ 3 min
Blockage recovery time	≤ 1 min
Power capacity	≤ 500 W
Operating Temperature	$-40^\circ\text{C} \sim +60^\circ\text{C}$
Storage Temperature	$-55^\circ\text{C} \sim +70^\circ\text{C}$
Humidity Requirement	95%(20°C)
Operating wind velocity	13m/s
Survival wind velocity	20m/s
Protection grade/IP Rating	IP65
Power supply	90~264VAC,47Hz~63Hz
power consumption	≤ 350 W(No power amplifier)
Material	Carbon Fiber
Remarks	Optional Feed: L / S; 1.00GHz-18.00GHz;18.00GHz-40.00GHz

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