

4.5m Drive away Satcom Antenna

Product Category : Drive Away



Product Parameters

Antenna Category	Drive Away
Antenna Aperture	4.5m
Antenna Type	Feed Forward
Polarization	Linear
Frequency (Rx)	10.70-12.75GHz
Frequency (Tx)	13.75-14.50GHz
Port isolation (Rx-Tx)	

Port isolation (Tx-Rx)	
Gain(Rx)	$\geq 52.81 + 20\lg(f/12.50)\text{dBi}$
Gain(Tx)	$\geq 53.94 + 20\lg(f/14.25)\text{dBi}$
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	$0.05 \sim 3^\circ/\text{s}$
EL	$0.05 \sim 1^\circ/\text{s}$
POL	$0.05 \sim 1^\circ/\text{s}$
Initial acquisition time	
Blockage recovery time	
Power capacity	
Operating Temperature	$-40^\circ\text{C} \sim +60^\circ\text{C}$
Storage Temperature	$-55^\circ\text{C} \sim +70^\circ\text{C}$
Humidity Requirement	
Operating wind velocity	
Survival wind velocity	
Protection grade/IP Rating	IP65
Power supply	$90 \sim 264\text{VAC}, 47\text{Hz} \sim 63\text{Hz}$
power consumption	
Material	Carbon Fiber
Remarks	Optional Feed:L/S/C/X/Ka ; $1.00\text{GHz} \square 18.00\text{GHz}$; $18.00\text{GHz} \square 40.00\text{GHz}$

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