

0.45m Ka band Airborne Satcom Antenna

Product Category : Airborne



Product Parameters

| | |
|-------------------------------|----------------|
| Antenna Category | Airborne |
| Antenna Aperture | 0.45m |
| Antenna Type | |
| Polarization | Circular |
| Frequency (Rx) | 17.70-21.20GHz |
| Frequency (Tx) | 29.00-31.00GHz |
| Port isolation (Rx-Tx) | |

| | |
|-----------------------------------|--|
| Port isolation (Tx-Rx) | |
| Gain(Rx) | $\geq 36.89 + 20\lg(f/20.00)$ dBi |
| Gain(Tx) | $\geq 40.41 + 20\lg(f/30.00)$ dBi |
| VSWR(Rx) | $\leq 1.5:1$ |
| VSWR(Tx) | $\leq 1.5:1$ |
| Motion range (AZ) | 360° Continuous Unlimited Rotation |
| Motion range (EL) | 0°~90° |
| Motion range (POL) | $\pm 90^\circ$ |
| AZ | |
| EL | |
| POL | |
| Initial acquisition time | |
| Blockage recovery time | |
| Power capacity | |
| Operating Temperature | -40°C ~ +60 °C |
| Storage Temperature | -55°C ~ +70 °C |
| Humidity Requirement | |
| Operating wind velocity | |
| Survival wind velocity | |
| Protection grade/IP Rating | IP65 |
| Power supply | 90~264VAC,47Hz~63Hz |
| power consumption | |
| Material | Carbon Fiber |
| Remarks | Time (sec): Shadow blockage ≤ 5 s within 10 minutes |

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