

1.8m Ku band Manual Transportable Antenna

Product Category : Manual Transportable



Product Parameters

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|-------------------------|----------------------|
| Antenna Category | Manual Transportable |
| Antenna Aperture | 1.8m |
| Antenna Type | Feed back |
| Polarization | Linear |
| Frequency (Rx) | 10.70-12.75GHz |
| Frequency (Tx) | 13.75-14.50GHz |

| | |
|-----------------------------------|--|
| Port isolation (Rx-Tx) | ≥ 85 dB |
| Port isolation (Tx-Rx) | ≥ 40 dB |
| Gain(Rx) | $\geq 44.90 + 20\lg(f/12.25)$ dBi |
| Gain(Tx) | $\geq 46.22 + 20\lg(f/14.25)$ dBi |
| VSWR(Rx) | $\leq 1.5:1$ |
| VSWR(Tx) | $\leq 1.5:1$ |
| Motion range (AZ) | $0^\circ \sim 360^\circ$ |
| Motion range (EL) | $0^\circ \sim 90^\circ$ |
| Motion range (POL) | $\pm 90^\circ$ |
| AZ | |
| EL | |
| 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 | 13 m/s |
| Survival wind velocity | 20 m/s |
| Protection grade/IP Rating | IP65 |
| Power supply | 90~264 VAC, 47 Hz~63 Hz |
| power consumption | ≤ 350 W (No power amplifier) |
| Material | Carbon Fiber |
| Remarks | Optional Feed: L/S/X/ka; 1.00 GHz~18.00 GHz; 18.00 GHz~40.00 GHz |

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