

# 1.8m C band Manual Transportable Antenna

Product Category : Manual Transportable



## Product Parameters

|                         |                      |
|-------------------------|----------------------|
| <b>Antenna Category</b> | Manual Transportable |
| <b>Antenna Aperture</b> | 1.8m                 |
| <b>Antenna Type</b>     | Feed back            |
| <b>Polarization</b>     | Linear               |
| <b>Frequency (Rx)</b>   | 3.40-4.20GHz         |
| <b>Frequency (Tx)</b>   | 5.85-6.725GHz        |

|                                   |   |
|-----------------------------------|---|
| <b>Port isolation (Rx-Tx)</b>     | $\geq 85$ dB  |
| <b>Port isolation (Tx-Rx)</b>     | $\geq 40$ dB  |
| <b>Gain(Rx)</b>                   | $\geq 34.50 + 20\lg(f/3.80)$ dBi                          |
| <b>Gain(Tx)</b>                   | $\geq 38.90 + 20\lg(f/6.30)$ dBi                          |
| <b>VSWR(Rx)</b>                   | $\leq 1.5:1$  |
| <b>VSWR(Tx)</b>                   | $\leq 1.5:1$  |
| <b>Motion range (AZ)</b>          | $0^\circ \sim 360^\circ$                                  |
| <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%( $20^\circ\text{C}$ )                                 |
| <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/X/ka;1.00GHz~18.00GHz;18.00GHz~40.00GHz |

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