

**AT-O-0.4-6-S**



Please contact AntennaTec for a full interface control drawing.

*400 MHz-6 GHz triple band DF antenna system fitted with an SMA connectors*

## Key Specifications

|                                   |              |
|-----------------------------------|--------------|
| <b>Operating frequency band A</b> | 400-1000 MHz |
| <b>Operating frequency band B</b> | 1 - 3 GHz    |
| <b>Operating frequency band C</b> | 3 - 6 GHz    |
| <b>Connector</b>                  | SMA female   |
| <b>VSWR</b>                       | < 2:1        |
| <b>Gain</b>                       | 2 dBi        |
| <b>Polarization</b>               | vertical     |
| <b>Impedence</b>                  | 50 $\Omega$  |

This direction finding antenna system covers a frequency range of 400 MHz to 6000MHz.

The full-size on all bands give excellent DF sensitivity. Ultimate angular resolution for strong signals is well under 1° for most of the frequency range. Dipole elements provide good cross- polarization rejection, and fair performance for signals arriving from up to 15° above or below the horizon.

This DF antenna is designed to be used as a 5-channel receiver. Characterization of the antenna can be performed on request.

## SPECIFICATIONS

|                                   |                                 |
|-----------------------------------|---------------------------------|
| <b>Antenna type</b>               | <b>Dipole</b>                   |
| <b>Number of Antenna Elements</b> | <b>15 Elements (5 per band)</b> |
| <b>Switching time</b>             | <b>&lt;50 <math>\mu</math>S</b> |
| <b>Total switching time</b>       | <b>150 <math>\mu</math>S</b>    |
| <b>Assembled height</b>           | <b>1.7 m</b>                    |
| <b>Assembled diameter (max)</b>   | <b>0.895m</b>                   |
| <b>Weight of antenna</b>          | <b>45 kg</b>                    |

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