Drone Mountable Directional Antenna

20 MHz – 8.5 GHz

Product Code: DF-A0132

SPECIFICATIONS:

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<th>Product code:</th>
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<tbody>
<tr>
<td>DF-A0132</td>
<td>Active Antenna</td>
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<tr>
<td>DF-A0132-02</td>
<td>Passive Antenna</td>
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**Electrical:**
- Frequency range: 20 – 8500 MHz
- Nominal input impedance: 50 Ω
- VSWR: < 3.5:1 typical
- Polarisation: Mount adjustable, vertical or horizontal
- Antenna gain: Variable with frequency (< 600 MHz) 6 dBi (> 600 MHz)
- Amplifier: Low noise 8 – 18 dB, switched in/out
- Power supply: 15 V, via RF

**Mechanical:**
- Dimensions (l x w x d): 443 mm x 320 mm x 50 mm
- Mass, excluding carry case: < 1 kg
- Optional parts: Carrycase

**Environmental:** designed to meet the following specifications
- Operating temperature range: -30 °C to +55 °C
- Storage temperature: -30 °C to +71 °C
- Ingress protection: IP65
- MTBF: > 50,000 h
- Compliance: RoHS, FCC, CEE

**ELECTRICAL FEATURES:**
- Very wideband performance in a practical size
- Horizontal and vertical polarisation possible
- Amplified signal for enhanced sensitivity
- Excellent radiation patterns

**MECHANICAL FEATURES:**
- Low wind resistance
- Robust construction
- Waterproof

PRODUCT DESCRIPTION:
The DF-A0132 is a drone mountable wideband antenna for direction finding, transmitter hunting and signal monitoring in the 20 to 8500 MHz band.

The antenna makes use of an integrated low-noise, wideband amplifier that enhances system sensitivity when the antenna is used in active mode. The amplifier can be by-passed for passive mode operations in high field strength environments.

An optional robust carrycase for the DF-A0132 can be ordered to transport the antenna when it is not in use.
Drone Mounted Direction Finding Antenna

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Gain:

Radiation patterns (dB – normalised)
H-plane:
Low band:

High band:
Drone Mounted Direction Finding Antenna

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E-plane:
Low band:

High band: