

# Compact Monitoring Antenna

20 – 9000 MHz

Product Code: OMNI-A0367

VERSION: 1.1

## SPECIFICATIONS:



| Product codes:   |  |                  |
|--|--|------------------|
| OMNI-A0367   | Active version including amplifier, Mobile / Vehicle mount |                  |
| OMNI-A0367-02  | Passive version, Mobile / Vehicle mount                    |                  |
| OMNI-A0367-04  | Passive version, Fixed mount                               |                  |
|  |  |                  |
| Electrical:  | OMNI-A0367   | OMNI-A0367-02/04 |
| Frequency range  | 20 – 9000 MHz  |                  |
| Gain   | See graph  |                  |
| Polarisation   | Vertical   |                  |
| Nominal input impedance                                      | 50 Ω   |                  |
| Internal construction  | 2 x bi-conical antennas with diplexer                      |                  |
| Connectors   | 1 x N-type female  |                  |
| H-plane beamwidth  | 360°   |                  |
| Groundplane requirements                                     | Groundplane independent                                    |                  |
| DC voltage supply  | 15 ± 1 VDC   | -                |
| Supply current   | < 150 mA   | -                |
| Amplifier gain   | 10 dB nominal  | -                |
|  |  |                  |
| Mechanical:  |  |                  |
| Dimensions (l x d)   | 650 mm x 142 mm  |                  |
| Base diameter  | 135 mm   |                  |
| Total mass   | < 6.5kg  |                  |
| Mounting   | NATO base flange, 4 and 6 holes                            |                  |
| Colour   | Black, others on request                                   |                  |
|  |  |                  |
| Environmental: designed to meet the following specifications |  |                  |
| Temperature range  | Storage: -41 °C to +71 °C.<br>Operation -31 °C to +70 °C   |                  |
| Ingress rating   | IP65 water resistant<br>(when flange is mounted)           |                  |
| Shock and vibration  | MIL-STD-810G 516.4:<br>Vibration category 8, shock 40 g    |                  |

## PRODUCT OVERVIEW:

The OMNI-A0367 is a compact monitoring antenna. Supplied in both active and passive versions, it allows monitoring over the full 20 to 9000 MHz band. It is mounted on an N-type connector base, and the OMNI-A0367-02/-04 is mounted with a spring for shock absorption and flexibility.

The active version of the antenna includes a nominal 10 dB amplifier to help overcome cable loss. The passive version has no amplifier, and is less expensive, and has no dynamic range limitations.

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## Gain and Sensitivity:

