

# 2J Dagger 4G-5G Weatherproof Terminal Antenna, 617 to 3800 MHz, SMA Male

SKU: ANT-2J-00006

MPN: 2JW1483

## Description

The 2J Dagger 4G-5G Weatherproof Terminal Antenna (SKU: ANT-2J-00006) is a robust monopole antenna designed for diverse applications, operating efficiently within a frequency range of 617 to 3800 MHz. Constructed from durable ABS Plastic and Polycarbonate, it is IP67 rated, ensuring reliable performance in harsh environments. Its operational temperature spans from -40°C to 85°C, making it suitable for extreme conditions.

This antenna features a single SMA Male input port and supports up to 25 W of input power with a 50 Ω impedance. It offers linear polarisation and showcases consistent RF performance across multiple frequency bands.

Renowned for its quality, 2J is a global leader in antenna solutions, catering to automotive, marine, telematics, and M2M markets. Their advanced engineering capabilities ensure tailored solutions to meet specific customer needs, backed by compliance with RoHS certifications.



2J



2J is a worldwide supplier of antenna solutions for Automotive, Marine, Telematic, Automation and M2M markets. 2J utilise a plethora of modern engineering tools, from network analysers and anechoic chambers, to simulation software and 3D printers. These tools help reduce design phases, and enable us to react to customers' needs promptly and efficiently.

Over the past decade, 2J has established ...

# RF Specification

|                   |          |                  |        |
|-------------------|----------|------------------|--------|
| Start Frequency:  | 617 MHz  | Polarisation:    | Linear |
| Stop Frequency:   | 3800 MHz | Input Impedance: | 50     |
| Max. Input Power: | 25 W     |                  |        |

## RF Connectors

### RF Interface

SMA Male

### Body Shape

Straight

## Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | Return Loss | VSWR    | Avg. Gain |
|-------------|------------|-----------|-------------|---------|-----------|
| 617 MHz     | 960 MHz    | -0.4 dBi  | > 13.7 dB   | < 1.6:1 | -4.1 dBi  |
| 1525 MHz    | 2690 MHz   | 0.6 dBi   | > 14.3 dB   | < 1.7:1 | -3 dBi    |
| 3300 MHz    | 3800 MHz   | -1.6 dBi  | > 4.4 dB    | < 6.3:1 | -5.9 dBi  |

# Physical Specification

|                             |          |                            |                                 |
|-----------------------------|----------|----------------------------|---------------------------------|
| Subtype:                    | Monopole | Dimensions:                | 192 x 20 x 18                   |
| Input Ports:                | 1        | Ingress Protection:        | IP67                            |
| MIMO:                       | 1x1 SISO | Materials:                 | ABS Plastic, Polycarbonate (PC) |
| Min. Operating Temperature: | -40 °C   | Compliance/Certifications: | RoHS                            |
| Max. Operating Temperature: | 85 °C    |                            |                                 |

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

