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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.





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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 Body Shape

SMA Male Straight

Frequency Test Data

| 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 | 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 |
| 3300 MHz 3800 MHz -1.6 dBi > 4.4 dB < 6.3:1 -5.9 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 | | |

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