

VLA-8001 V-Log Periodic Array

Product Overview

Performance The TDK RF Solutions VLA-8001 V-Log Periodic Antenna offers a wide frequency range of 80 MHz to 1 GHz with enhanced gain over standard log periodic dipole array antennas. The VLA-8001 features equalized E and H plane beamwidths, and its unique, feed design (patent pending) provides improved high frequency response.

Robust Design The VLA-8001 is built for the harsh environments associated with EMC testing. It features an ultra-robust mechanical design and a highly durable feed to withstand the rigors of daily use.

Features

- Frequency range of 80 MHz to 1 GHz
- Enhanced gain over LPDA designs
- Equalized E and H plane beamwidths
- Patented feed design provides improved high frequency response
- Robust mechanical and feed design
- Individually calibrated according to ANSI C63.5 with signed certificate of calibration



The TDK RF Solutions VLA-8001 V-Log Periodic Antenna Array covers the operating frequency range of 80 MHz to 1 GHz and features a unique feed design (patent-pending) that provides superior high frequency response.

Applications

- Both Immunity and Emissions Testing

Options

- **Short Vertical Mast SVM-01**
TDK RF Solutions' SVM-01 antenna mast provides manual control of the height, tilt, and polarization. The SVM-01 extends from 97.5 cm to 172 cm and supports antennas up to 18 kg.

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Mechanical Specifications

| | |
|---------------|--|
| Dimensions: | 185 cm x 185 cm x 185 cm (length x width x height) |
| Weight: | 5 kg |
| Connector: | SC female |
| Construction: | Aluminum with gold chromate finish |

Electrical Specifications

| | |
|------------------|-----------------|
| Frequency Range: | 80 MHz to 1 GHz |
| Gain: | 8 dBi |
| VSWR: | 1.5:1 average |
| Polarization: | Linear |
| Power Handling: | 2.5 kw |
| Impedance: | 50 ohms nominal |

Environmental Specifications

| | |
|------------------|--------------------------|
| Operating Range: | 0° to +40° C |
| Storage Range: | -10° to +50° |
| Humidity: | Up to 95% non-condensing |

Ordering Information

| | |
|---------------|------------------------|
| Product: | V-Log Periodic Antenna |
| Model Number: | VLA-8001 |
| Warranty: | 1 year |

To place an order or to learn more about the TDK RF Solutions products that best meet your needs, contact your TDK sales representative:

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