

VLA-2001 V-Log Periodic Antenna

Product Overview

Performance The TDK RF Solutions VLA-2001 V-Log Periodic Antenna is designed for radiated immunity testing in chambers and open area test sites. The VLA-2001 offers a wide frequency range of 200 MHz to 1 GHz with enhanced gain over standard log periodic dipole array antennas.

State-of-the-Art Design The VLA-2001 features equalized E and H plane beamwidths, and its unique, feed design (patent pending) provides improved high frequency response and greater power handling. The VLA-2001's enhanced symmetry provides minimal cross polarization.

Robust Construction The VLA-2001 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.



The TDK RF Solutions VLA-2001 V-Log Periodic Antenna covers the operating frequency range of 200 MHz to 1 GHz and features a unique feed design (patent pending) that provides superior high frequency response.

Features

- High power up to 2500 W
- Frequency range of 200 MHz to 1 GHz
- Enhanced gain over LPDA designs
- Equalized E and H plane beamwidths
- Unique feed design (patent pending) provides improved high frequency response
- Robust mechanical design
- Minimal cross polarization

Applications

- Immunity Testing
- MIL-STD 461/462
- SAE/ISO Automotive Immunity Testing

Options

- **Manual Vertical Mast MVM-200R**
TDK RF Solutions' MVM-200R antenna mast provides manual control of the height, tilt, and polarization. The MVM-200R adjusts from 1 m to 1.5 m in height and supports antennas up to 18 kg.

VLA-2001 V-Log Periodic Array

Mechanical Specifications

Overall Dimensions:	
Height:	40 in. (102 cm)
Width:	37 in. (94 cm)
Length:	39.5 in. (100 cm)
Weight:	13 lbs (5.9 kg)
Connector:	N type female or SC female
Construction:	Aluminum with gold chromate finish

Electrical Specifications

Frequency Range:	200 MHz to 1 GHz
Gain:	8 dBi
VSWR:	1.5:1 average
Polarization:	Linear
Power Handling:	2.5 kw
Impedance:	50 ohm 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-2001
Warranty:	1 year limited

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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