

# 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

- **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.

# 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

## 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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## 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

TOTAL RF EXPERTISE™



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