

# VLA-8001 V-Log Periodic Array

## Product Overview

**Performance** The TDK 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.

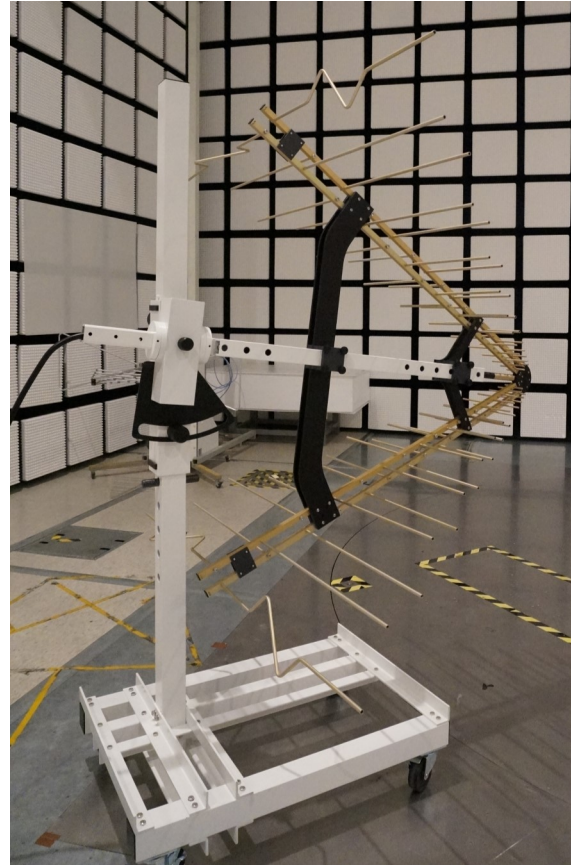
**Robust Design** The VLA-8001 is built for the harsh environments associated with EMC testing. It features an ultra-robust mechanical design and a highly durable feed to withstand the rigors of daily use.

## 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

## Applications

- Immunity Testing



**The TDK 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. The MVM-200R mast is sold separately.**

## Options

- **Manual Vertical Mast MVM-200R**  
The 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.

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## Electrical Specifications

Frequency Range:	80 MHz to 1 GHz
Gain:	8 dBi
VSWR:	1.5:1 average
Polarization:	Linear
3dB Beam Width:	65 degrees, uniform for entire frequency range, H & V polarization
Power Handling:	1 kW
Impedance:	50 ohms nominal

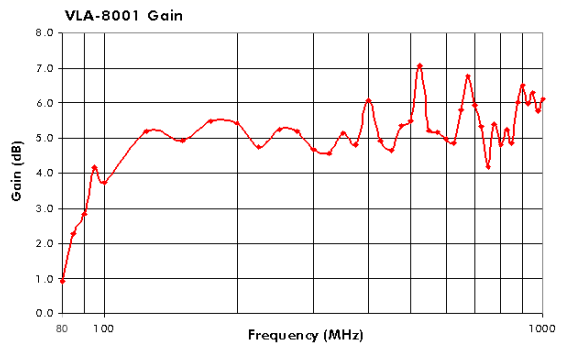
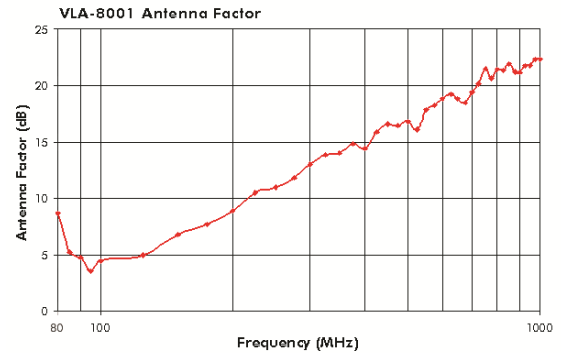
## Mechanical Specifications

Dimensions:	185 cm x 185 cm x 185 cm (length x width x height)
Weight:	5 kg
Connector:	7/16 female
Construction:	Aluminum with gold chromate finish

## Ordering Information

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

## Antenna Data



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

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