

# LPDA-0801 Log Periodic Dipole Array

## Product Overview

TDK RF Solutions' LPDA-0801 is a medium gain Log Periodic Dipole Array that provides strong performance over the operating frequency range of 80 MHz to 1 GHz. The LPDA-0801 features very high power handling (2.5 kW continuous) capabilities to accommodate the most extreme EMC test requirements.

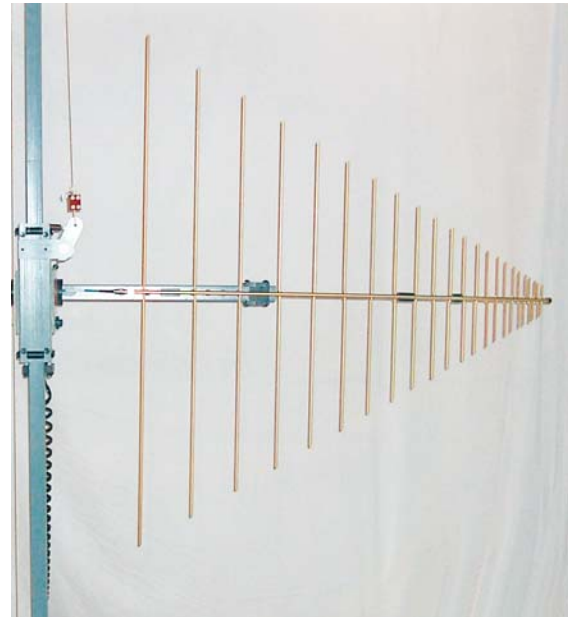
**Patent-Pending Design** The LPDA-0801 features a patent-pending boom/feedline design that greatly enhances the antenna's performance over traditional LPDA models while maintaining a compact form factor. This unique design facilitates heat transfer, which yields very high power handling with extremely low loss and greatly improved efficiency.

**Dual Use** The LPDA-0801 is designed for immunity measurements, but the reduced-sized precision feedline cross section translates into low cross-polarization and excellent pattern symmetry, making the LPDA-0801 an excellent emissions measurements as well.

**Robust Construction** The LPDA-0801 is precision built to very tight tolerances and features an ultra-robust mechanical design, resilient gold chromate finish, and a highly durable feed to withstand the rigors of daily use in EMC test environments. The antenna can be mounted on a conventional antenna tower or on one of TDK's line of antenna masts.

## Features

- Wide frequency range of 80 MHz to 1 GHz
- High power handling (2.5 kW)
- High efficiency and low loss
- Robust mechanical design



**TDK RF Solutions' LPDA-0801 Log Periodic Dipole Antenna covers the operating frequency range of 80 MHz to 1 GHz with high power handling.**

## Applications

- Immunity testing
- Emissions 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.

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## Electrical Specifications

Frequency Range:	80 MHz to 1 GHz
Gain:	5 - 6 dBi
VSWR:	1.5:1 average
Polarization:	Linear
Power Handling:	2.5 kW (continuous)
Impedance:	50 Ohms nominal

## Mechanical Specifications

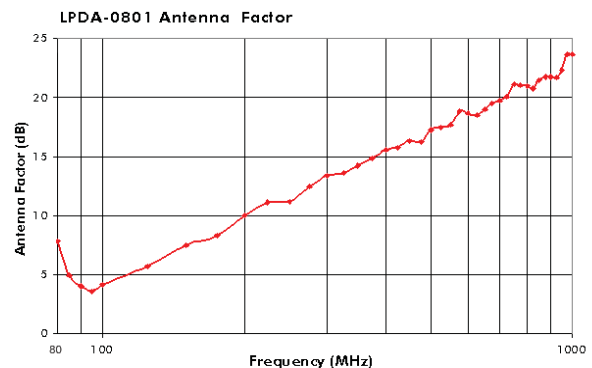
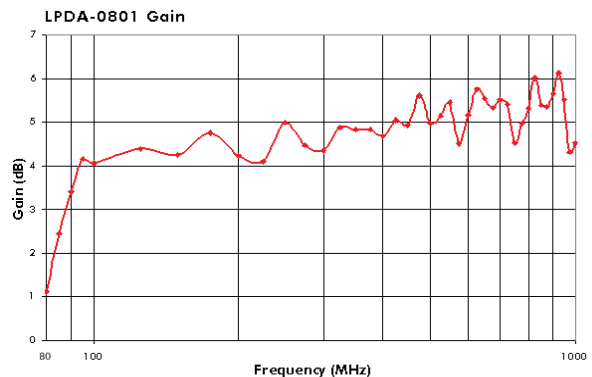
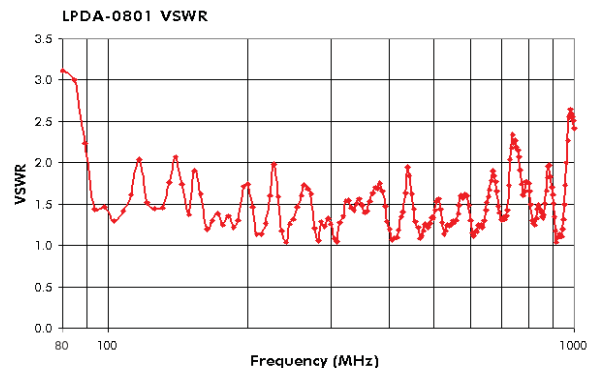
Dimensions:	142 cm L x 170 cm W x 5 cm H (14 cm with mount)
Weight:	4 kg
Connector:	N-type female
Construction:	Aluminum with gold chromate finish

## Ordering Information

Product:	Log Periodic Dipole Antenna
Model Number:	LPDA-0801
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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