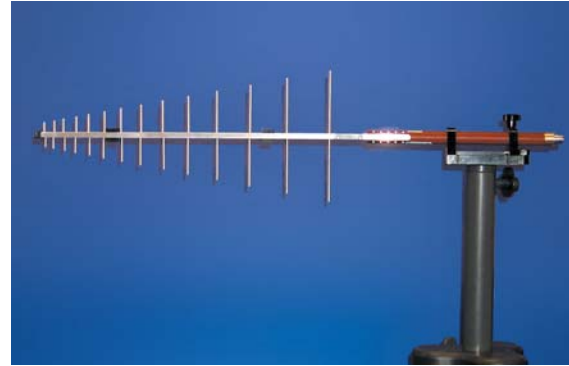


# LPDA-8003 Log Periodic Dipole Antenna

## Product Overview

The TDK RF Solutions LPDA-8003 Log Periodic Dipole Antenna is a new generation compact antenna used for transmitting and receiving broadband radio signals. It is especially suited for dual band communication testing where the antenna must not interfere with the measurement environment. The LPDA-8003 provides optimal performance over the wide operating frequency range of 800 MHz to 3 GHz. The LPDA-8003 features reduced cross polarization, improved pattern symmetry, and moderate power handling capability, making it an excellent choice for both communications testing as well as the most stringent metrology applications.

**Leading-Edge Design** The LPDA-8003's compact design features a reduced boom size which results in excellent cross polarization rejection. The antenna's patent-pending balun design provides improved pattern symmetry and a low VSWR.



**The TDK RF Solutions LPDA-8003 Log Periodic Dipole Antenna features an improved design offering superior performance over the ultra-wide frequency range of 800 MHz to 3 GHz.**

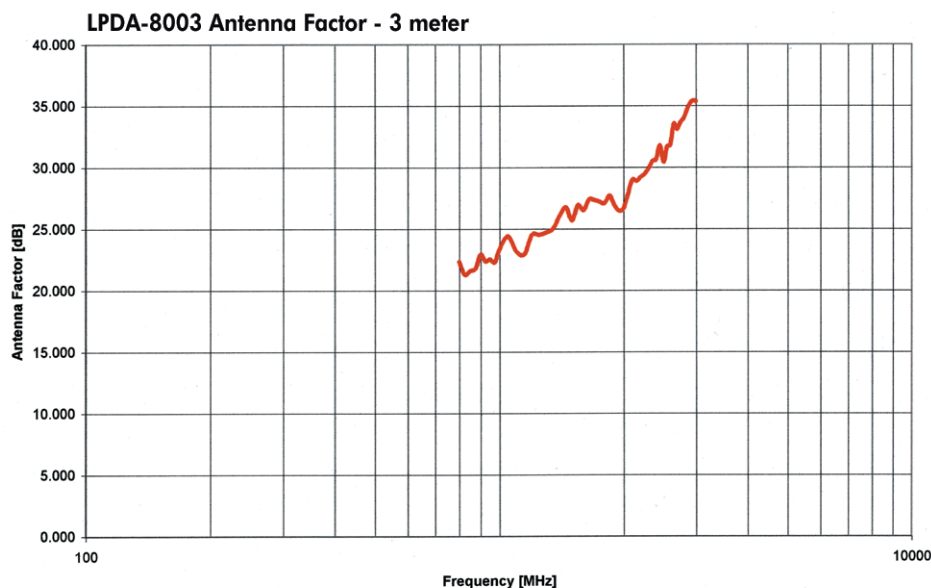
## Features

- Compact broadband design
- Improved pattern symmetry
- Reduced cross polarization
- Moderate power capability (500W)
- Fits common antenna mounts; TDK RF Solutions mounts are also available
- Individually calibrated according to ANSI C63.5 with signed certificate of calibration

## Applications

- Communications equipment testing
- Land mobile communication bands, GSM, ISM testing
- Site attenuation
- Calibration
- Transmission loss measurements

# LPDA-8003 Log Periodic Dipole Antenna



## Electrical Characteristics

Frequency Range:	800 MHz to 3 GHz
Gain:	8 dBi
VSWR:	2:1 average
Polarization:	Linear
Power Handling:	500W CW
Feedpoint Impedance:	50 ohms nominal

## Mechanical Specifications

Size:	91 cm x 23 cm x 3 cm (36" L x 9" W x 1" H)
Weight:	<1 kg
Construction:	Aluminum with gold chromate finish
RF Connector:	N-type female

## Ordering Information

Product:	Log Periodic Dipole Antenna
Model Number:	LPDA-8003
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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