

# Data Sheet

# PLP-3003 Precision Log Periodic Antenna

### **Product Overview**

The TDK PLP-3003 Precision Log Periodic Antenna is a new generation compact antenna designed for EMC testing applications. The PLP-3003 provides optimal performance over the wide operating frequency range of 300 MHz to 3 GHz, and features moderate power handling (500W) capability.

**Leading-Edge Design** The PLP-3003's improved design features excellent cross polarization rejection, improved pattern symmetry, and a low VSWR. The PLP-3003 performs exceptionally well for emissions measurements, and is also an excellent antenna for immunity testing and the most stringent metrology applications.

# **Features**

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



The TDK PLP-3003 Precision Log Periodic Antenna features an improved design that offers superior performance over the ultra-wide frequency range of 300 MHz to 3 GHz, improved pattern symmetry, and reduced cross polarization.

# **Applications**

- Emissions and Immunity measurements
- Site attenuation
- Calibration
- Transmission Loss Measurements

# **Options**

# Antenna Tripod TRI-150R

The TDK TRI-150R antenna tripod is a manually adjusted tripod (100 cm to 150 cm) designed for quick and easy mounting in EMC test environments.



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# **Electrical Characteristics**

Frequency Range: 300 MHz to 3 GHz

Gain: 6 dBi

VSWR: 2:1 average Power Handling: 500W CW

Polarization: Linear

Feedpoint Impedance: 50 ohms nominal

# **Mechanical Specifications**

Size: 80 cm x 81 cm x 3 cm

(length x width x height)

Weight: 1.25 kg

Construction: Aluminum with gold

chromate finish

RF Connector: N-type female

# Ordering Information

Product: Precision Log Periodic

Antenna

Model Number: PLP-3003

Warranty: 1 year limited

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

### **TDK RF Solutions Inc.**

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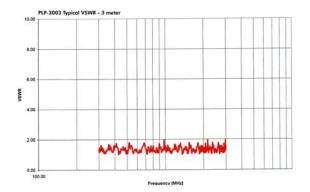
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