

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.

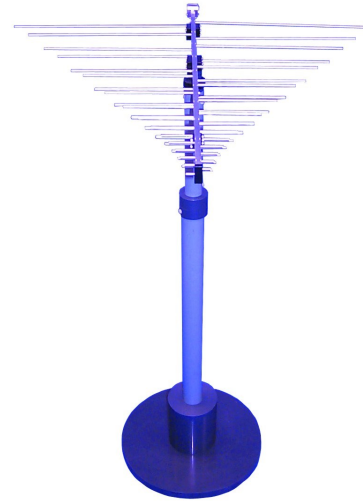
Leading-Edge Design The PLP-3003's improved design features excellent cross polarization rejection, improved pattern symmetry, and a low VSWR. The PLP-3003 performs exceptionally well for emissions measurements, and is also an excellent antenna for immunity testing and the most stringent metrology applications.

Features

- Compact broadband design
- Improved pattern symmetry
- Reduced cross polarization
- Moderate power capability
- Fits common antenna mounts. TDK mounts are also available
- Includes typical/average ANSI C63.5 data

Applications

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



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.

Options

- ISO/IEC 17025 accredited calibration
- 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.
- Antenna Tripod TRI-350R: The TDK TRI-350R antenna tripod is a lightweight, manually adjusted tripod (65 cm to 160 cm) designed for quick and easy mounting and portability 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

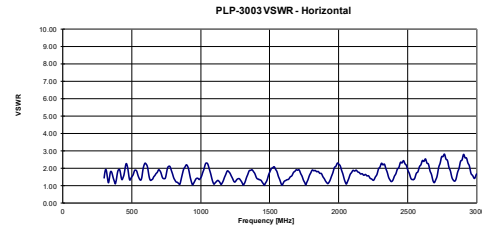
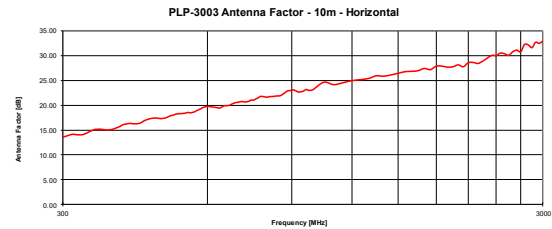
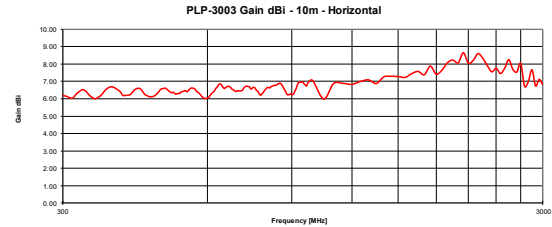
Mechanical Specifications

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

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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Rev. 2022-05-09