

HLP-2603 Hybrid Log Periodic Antenna

Product Overview

Ultra Wide Range The TDK RF Solutions HLP-2603 Hybrid Log Periodic antenna offers unequaled performance over the ultra wide frequency range of 26 MHz to 3 GHz for EMC immunity and emissions measurements. Significant time savings can be realized while testing to the various European, North American, and Asian standards because you are able to test continuously across the frequency range of interest. The HLP-2603 is designed for testing at 10 V/m with 80% AM modulation with minimum amplifier requirements.

Dual Mode Use Inherent in the design of the HLP-2603 is its dual-mode use: radiated emissions and radiated immunity testing. With its ultra wide range, the HLP-2603 is an ideal replacement for at least two (possibly three) antennas.



The TDK RF Solutions HLP-2603 Hybrid LPD antenna offers unequaled performance over the ultra wide frequency range of 26 MHz to 3 GHz, dual-mode capabilities, and an efficient design.

Features

- High gain
- Low VSWR
- Ultra broadband
- High capacity power input
- Quality construction
- Provides significantly improved performance over competing designs
- Optional calibration according to ANSI C63.5 with signed certificate of calibration

Applications

- Radiated immunity testing
- Radiated 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.

HLP-2603 Hybrid Log Periodic Antenna

Electrical Specifications

Frequency Range:	26 MHz to 3 GHz
Gain:	6 to 8 dBi typical
VSWR:	<2:1 average
Polarization:	Linear
Power Handling	1.0 kW maximum
Feedpoint Impedance	50 ohms (nominal)

Mechanical Specifications

Size:	1.5 m x 1.5 m x 0.74 m (60" W x 60" D x 29" H)
Weight:	< 8.5 kg
Construction:	Aluminum with gold chromate finish
RF Connector:	N type female

Environmental Specifications

Ambient Temperature Limits:	
Operating:	0° to +40° C
Storage:	-10° to +50° C
Humidity:	Up to 95% non-condensing

Ordering Information

Product:	Hybrid Periodic Log Antenna
Model Number:	HLP-2603
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:

TDK RF Solutions Inc.

1101 Cypress Creek Rd.
Cedar Park, Texas 78613 USA
Phone: 1-512-258-9478
Fax: 1-512-258-0740
Email: info@tdkrf.com
World Wide Web: www.tdkrfsolutions.com

TDK Electronics Europe

TDK House, Queensway 5-7
RH1 1YB, Redhill, Surrey
United Kingdom
Phone: +44/1737-781-372
Fax: +44/1737-781-360

TOTAL RF EXPERTISE™



www.tdkrfsolutions.com

To learn more about TDK RF Solutions' wide range of innovative products and services visit www.tdkrfsolutions.com

© Copyright 2004 TDK RF Solutions Inc. All rights reserved. Specifications subject to change without notice.

DSHLP260311605