

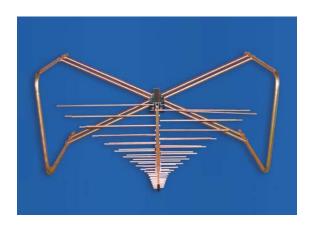
Data Sheet

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

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: $1.5 \text{ m} \times 1.5 \text{ m} \times 0.74 \text{ m}$

(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-condens-

ing

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:

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