

HLP-2006C Hybrid Log Periodic Antenna

Product Overview

Ultra Wide Range The TDK HLP-2006C Hybrid Log Periodic Antenna is an extended frequency broadband antenna intended for measurements in an anechoic chamber, open area test site, or *in situ*. Its 20 MHz to 6 GHz range makes it the widest emission antenna in its class. It is especially suited for wideband testing of radiated emissions from electrical and electronic equipment. This new design offers unequalled performance over this range for an antenna of this form factor.

High Performance/Compact Size The HLP-2006C uses a unique low frequency hybrid element to extend the low frequency performance while maintaining a compact size. Its internal balun provides balance even under adverse conditions such as vertical polarization combined with close proximity to a conducting ground plane. The low frequency elements of the antenna are removable for convenient storage and portability. The antenna can be mounted on a conventional tripod or antenna tower.

Features

- Efficient design especially suited for compact chambers
- Lightest antenna in its class (4.8 lbs)
- Highest frequency range for an antenna in its class
- Excellent low frequency response
- Unique internal balun provides balance even under adverse conditions
- Moderate power handling capability
- Individually calibrated according to ANSI C63.5, with signed certificate of calibration



The TDK HLP-2006C Hybrid Log Periodic antenna offers unequalled performance over the ultra wide frequency range of 20 MHz to 6 GHz and an efficient, compact design.

Applications

- Immunity and Emissions testing
- Anechoic chamber, OATS, *in situ* testing

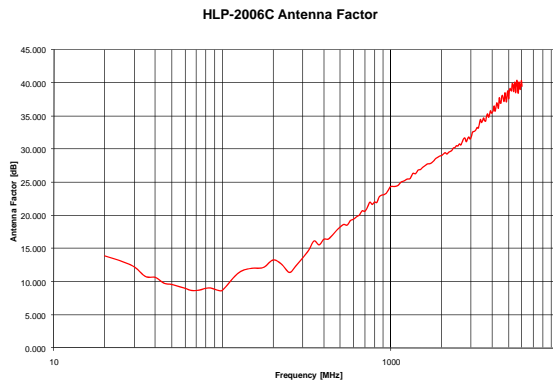
Options

- MVM-200R Manual Vertical Mast
- TRI-150R Tripod
- AM-PIVOT-HLP Pivot mount for use on tripod
- HLP-CC Carrying Case



HLP-2006C Hybrid Log Periodic Antenna

Antenna Data



Mechanical Specifications

Overall Dimensions:	
Width:	156 cm (61.5 in.)
Depth:	71 cm (28 in.)
Height:	69 cm (27 in.)
Weight:	2.2 kg (4.8 lbs.)
Construction:	Aluminum with gold chromate finish
RF Connector:	Type N female

Electrical Characteristics

Frequency Range:	20 MHz to 6 GHz
Gain:	6 dBi typical
VSWR:	2:1 average
Polarization:	Linear
Power Handling:	100 W
Input Impedance:	50 ohms nominal

Ordering Information

Product:	Hybrid Log Periodic Antenna
Model Number:	HLP-2006C
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.
 1101 Cypress Creek Rd.
 Cedar Park, Texas 78613 USA
 Phone: 1-512-258-9478
 Fax: 1-512-258-0740
 E-mail: info@tdkrf.com
 World Wide Web: www.tdkrfsolutions.com



www.tdkrfsolutions.com

To learn more about TDK's wide range of innovative test products, solutions and services visit www.tdkrfsolutions.com

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

Rev. 2011-08-02