

HLP-2515 Hybrid Log Periodic Antenna

Product Overview

The TDK RF Solutions HLP-2515 Hybrid Log Periodic Antenna provides extremely high field strengths over the operating frequency range of 25 MHz to 150 MHz. The HLP-2515 features an unprecedented combination of high efficiency, low VSWR, and excellent field uniformity making it the best choice for immunity measurements requiring high power.

Patent-pending Design The HLP-2515's industry-leading design provides improved impedance matching and power handling to provide true 200 V/m field intensity. The HLP-2515 is a highly efficient radiator with a low VSWR, and its high power handling is ideal for MIL-STD immunity test applications.

Features

- Very high power handling - 3500W maximum (10,000W model also available)
- Low 2.5:1 VSWR (average); 5.8:1 VSWR (maximum)
- Excellent immunity to imbalance in vertical polarization
- Can be used alone or in arrays (with optional high power hybrid network)

Applications

- Immunity Measurements
- MIL-STD 461
- SAE J1113/ISO 11452
- SAE J551/ISO 11451



The TDK RF Solutions HLP-2515 Hybrid Log Periodic Antenna offers extremely high field strength for immunity measurements over the frequency range of 25 MHz to 150 MHz.

Options

- **Short Vertical Mast SVM-01**
TDK RF Solutions' SVM-01 antenna mast provides manual control of the height, tilt, and polarization. The SVM-01 extends from 97.5 cm to 172 cm and supports antennas up to 18 kg.

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Electrical Specifications

Frequency Range:	25 MHz to 150 MHz
VSWR:	2.5:1 typical, 5.8:1 max
Polarization:	Linear
Power Handling	3500 W maximum (10,000 W model available)
Feedpoint Impedance	50 ohms (nominal)

Mechanical Specifications

Overall Size:	
Width:	60 in. (153 cm)
Depth:	36 in. (92 cm)
Height:	29 in. (74 cm)
Weight:	9.5 kg.
Finish:	Aluminum
RF Connector:	SC 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 Log Periodic Antenna
Model Number:	HLP-2515
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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