

HBA-2030 High Power Biconical Antenna

Product Overview

The TDK HBA-2030 High Power Biconical Antenna is a new generation biconical dipole that covers the operating frequency range of 20 MHz to 300 MHz. The HBA-2030 offers an unprecedented combination of high power handling, balance, and pattern control, which makes it an excellent choice for immunity measurements.

Precision Design Designed in-house by our product design engineers, the HBA-2030's patent-pending balun design provides *greatly* improved balance at low frequencies. The unique cage design provides improved antenna factor at the low end as well as mode-free operation to 300 MHz and higher. The HBA-2030 is manufactured using low-tolerance, precision fabrication methods to minimize intrinsic uncertainties. This mechanically precise, weld-free design yields predictable performance and delivers accurate, consistent measurements.

Immunity and Emissions Measurements For radiated immunity testing, the HBA-2030 is a highly efficient radiator with a low VSWR (<2.5:1 average). The HBA-2030's high power handling capability (3500W continuous) accommodates the majority of immunity test applications.



The TDK HBA-2030 High Power Biconical Antenna features a patent-pending design that provides optimum performance over the frequency range of 20 MHz to 300 MHz.

Features

- Improved balun provides superior patterns and balance
- Improved cage design provides enhanced low frequency performance and mode-free operation to 300 MHz and higher
- High power handling (3500W)

Applications

- Designed primarily for immunity testing, but the balance and pattern of the HBA-2030 easily meet the requirements for emissions measurements

HBA-2030 High Power Biconical Antenna

Electrical Characteristics

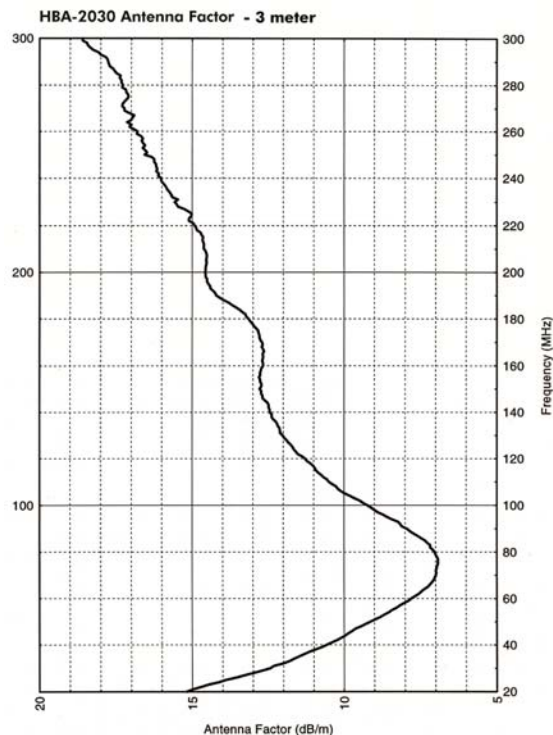
Frequency Range:	20 MHz to 300 MHz
VSWR:	2.5:1 average
Polarization:	Linear
Power Handling:	3500 W continuous
Feedpoint Impedance:	50 ohms nominal

Mechanical Specifications

Size:	138 cm x 56 cm x 56 cm (56" W x 22" D x 22" H)
Weight:	4 kg (9lbs)
Construction:	Aluminum
RF Connector:	SC

Ordering Information

Product:	High Power Biconical Antenna
Model Number:	HBA-2030
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

TOTAL RF EXPERTISE™



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