

# HBA-2030 High Power Biconical Antenna

## Product Overview

The TDK RF Solutions 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 RF Solutions 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)
- Individually calibrated with signed certificate of calibration.

## Applications

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

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## Electrical Characteristics

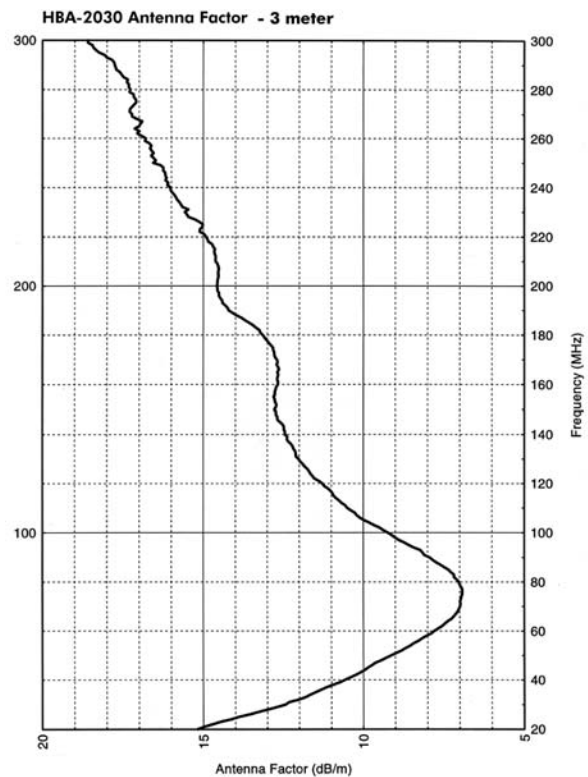
Frequency Range:	20 MHz to 300 MHz
VSWR:	2.5:1 average
Polarization:	Linear
Power Handling:	3500 W continuous
Feedpoint Impedance:	50 ohms nominal

## 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 RF Solutions products that best meet your needs, contact your TDK sales representative:**

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