

PBA-2030 Precision Biconical Antenna

Product Overview

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

Immunity and Emissions Measurements For radiated immunity testing, the PBA-2030 is a highly efficient radiator with a low VSWR (<2.5:1 average). The PBA-2030's moderate power handling capability (100W CW) accommodates the majority of IEC 1000-4-3 immunity test applications. For emissions testing, the PBA-2030's improved balun provides superior patterns and balance, while the internal choke effectively provides immunity to externally induced imbalance.

Precision Design Designed in-house by our product design engineers, the PBA-2030 is manufactured using tight tolerance, precision fabrication methods to minimize intrinsic uncertainties. This mechanically-precise, weld-free design yields predictable performance and delivers accurate, consistent measurements.

Features

- Improved balun provides superior patterns and balance
- Effective internal choke provides immunity to externally induced imbalance
- Moderate power handling capability accommodates a wide range of immunity testing applications
- Includes typical/average ANSI C63.5 data



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

Applications

- Emissions testing
- Immunity testing

Options

- ISO/IEC 17025 accredited calibration
- Antenna Tripod TRI-150R: The TDK TRI-150R antenna tripod is a manually adjusted tripod (100 cm to 150 cm) designed for quick and easy mounting in EMC test environments.

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Electrical Characteristics

Frequency Range:	20 MHz to 300 MHz
VSWR:	2.5:1 average
Polarization:	Linear
Power Handling:	100 W maximum
Feedpoint Impedance:	50 ohms nominal

Mechanical Specifications

Size:	137 cm x 53 cm x 72 cm (length x width x height)
Weight:	3 kg
Construction:	Aluminum with gold chromate finish
RF Connector:	N type female

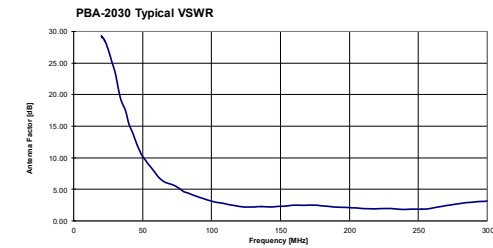
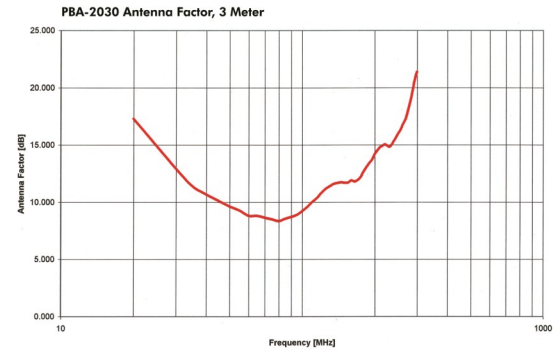
Ordering Information

Product:	Precision Biconical Antenna
Model Number:	PBA-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:

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