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[TDK Corporation](#)

[PBA-2030](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

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 (300W 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.



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.

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
- Individually calibrated according to ANSI C63.5, with signed certificate of calibration

Applications

- Emissions testing
- Immunity testing

Options

- **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.

PBA-2030 Precision Biconical Antenna

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

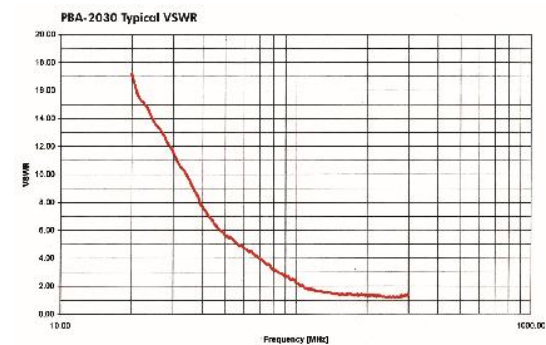
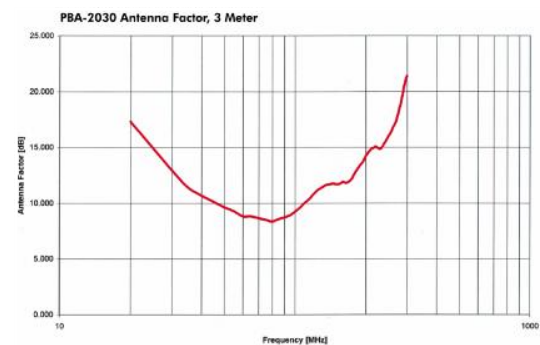
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|---------------|-----------------------------|
| Product: | Precision Biconical Antenna |
| Model Number: | PBA-2030 |
| Warranty: | 1 year limited |

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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Antenna Data



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