

# Jata Sheet

## PBA-2030 Precision Biconical Antenna

### **Product Overview**

TDK RF Solutions' 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.



TDK RF Solutions' 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**

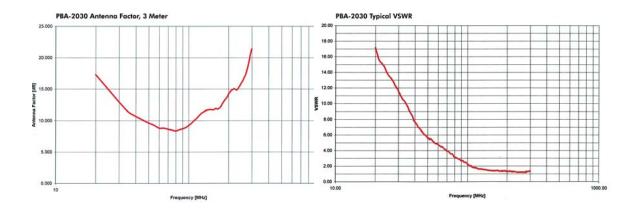
- Improved balun provides superior patterns and balance
- Effective internal choke provides immunity to externally induced imbalance
- Moderate power handling capability accommodates a wide range of immunity testing applications
- Individually calibrated according to ANSI C63.5, with signed certificate of calibration

### **Applications**

Immunity and Emissions testing



# 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: 138 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 or SC

### **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 RF Solutions 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

### **TDK Electronics Europe**

TDK House, Queensway 5-7 RH1 1YB, Redhill, Surrey United Kingdom

Phone: +44/1737-781-372 Fax: +44/1737-781-360



www.tdkrfsolutions.com

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com