EFG-02 E-Field Generator

Product Overview

Performance  The TDK EFG02 is a transmission-line type electric/magnetic field generator which provides an unprecedented level of flexibility in the generation of controlled, high-intensity electric and magnetic fields over the frequency range of 10 kHz to 100 MHz. It is capable of generating over 500 V/m over its entire operating frequency range using 2.5 kW amplifier and provides a large uniform field area, thus accommodating a very large variety of DUTs.

Non-Radiating  Because the EFG02 is a non-radiating device, the electric and magnetic fields are essentially confined to the DUT area. Also, it provides extremely low VSWR over its entire operating range thus reducing stress on the amplifier.

Unique Design  The unique mechanical design of the EFG-02 greatly facilitates the characterization of unwieldy DUTs. Large or bulky DUTs can simply be wheeled or placed under the system with the aid of equipment (such as a pallet jack or forklift).

Features

- 10kHz – 100 MHz operating range
- High power field generator
- Up to 500 V/m RSM
- Low VSWR
- Adjustable height for optimizing performance

Applications

- Immunity testing on large, heavy or bulky DUTs

The ability generate controlled, high-intensity electric and magnetic fields over the frequency range of 10 kHz to 100 MHz and a unique design make the EFG-02 the best choice for conducting immunity testing on large, heavy, or bulky DUTs.

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EFG-02 E-Field Generator

**Mechanical Specifications**
- Height: 195.6 cm (77 in.)
- Length: 335.3 cm (132 in.)
- Width: 76.2 cm (30 in.)
- Construction: Fiberglass and PVC
- Input Connector: 7/16 female

**Electrical Specifications**
- Input Power: 3500 W maximum continuous
- Operation Frequency: 10 kHz – 100 MHz
- Input Impedance: 50 Ω nominal
- Field Strength: Up to 500 v/M RMS

**Ordering Information**
- Product: E-Field Generator
- Model Number: EFG-02
- Warranty: 1 year

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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To learn more about TDK’s wide range of innovative test products, solutions and services visit www.tdkrfnsolutions.com

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