

EFG-02 E-Field Generator

Product Overview

Performance The TDK EFG-02 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 EFG-02 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).



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

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

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:	
Range:	10 kHz – 100 MHz
Input Impedance:	50 Ω nominal
Field Strength:	Up to 500 v/M RMS

Environmental Specifications

Ambient Temperature Limits:	
Operating:	0° to +40° C
Storage:	-10° to +50° C

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:

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: trs.sales@tdk.com
World Wide Web: www.tdkrfsolutions.tdk.com

TOTAL RF EXPERTISE™



www.tdkrfsolutions.tdk.com

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

Copyright © TDK RF Solutions Inc. All rights reserved. Specifications subject to change without notice.

Rev. 2022-05-09