

EFG-03 E-Field Generator

Product Overview

Performance The TDK RF Solutions EFG-03 is an E-field generator designed to produce controlled, high intensity electric fields over the frequency range of 10 kHz to 100 MHz. The EFG-03 generates a minimum of 500 V/m between the elements. Its capability to handle high input power and its low VSWR makes the EFG-03 a powerful and effective E-field generator.

High Input Power The EFG-03 utilizes an external load that permits the field generator to handle input power up to 3500 Watts (continuous) without the use of forced air or water cooling. This makes the EFG-03 ideal for immunity test applications which require high input power, high intensity fields in a compact design.

Robust Design The EFG-03 features an extremely robust transformer design which greatly improves the low frequency response.

Complete Positioning Control The EFG-03's integrated mast provides complete manual control of height, tilt, and polarization. The EFG-03's positioning gimbal allows manual control of tilt to $\pm 10^\circ$ and provides full 360° rotation of the EFG-03 with indexing at 0° and 90° for quick and easy polarization changes. A locking pin secures the mounting arm in position. The EFG-03's mast, base, and mounting arm are constructed of heavy-duty square fiberglass tubing with a protective water seal. The mast features four locking swivel casters for safety and ease of movement.



The TDK RF Solutions EFG-03 E-Field Generator generates controlled, high intensity fields over the operating range of 10 kHz to 100 MHz.

Features

- 10kHz – 100 MHz operating range
- High intensity field generator
- Generates greater than 500 V/m
- Low VSWR
- Adjustable height for optimizing performance

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Mechanical Specifications

Element Dimensions:	87 cm x 155 cm (34" H x 61" W)
Height Adjustment:	122 cm (4') (87 cm to 209 cm) (34" to 83") Other heights available
Weight:	68 kg (150 lbs.)
Input Connector:	Special high voltage SC connector (other connector types available)
Cooling:	Not Required

Electrical Specifications

Input Power:	3.5 kW
Operation Frequency Range:	10 kHz – 100 MHz
Input Impedance:	50 ohms

Ordering Information

Product:	E-Field Generator
Model Number:	EFG-03
Warranty:	1 year

To place an order or to learn more about the TDK RF Solutions products that best meet your needs, contact your TDK sales representative:

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