

HV High-Power EFT/Burst Coupling/Decoupling Network

EFTN 15100T



■ IEC/EN 61000-4-4

■ IEC 61000-6-1

■ IEC 61000-6-2

■ GB/T 17626.4

— Features

- > EUT DC load capacity 1,500 V DC, 100 A
- > EUT AC load capacity 700 V AC, 100 A, three-phase, five-wire
- > Automatic EUT power switching
- > Scheduled setting of test parameters, including test voltage, polarity, and phase synchronization angle, enabling fully automatic network switching
- > Phase angle superposition of any combination of lines

— Introduction

The EFTN 15100T HV High-Power EFT/Burst Coupling/Decoupling Network complies with IEC/EN 61000-4-4 and supports CE and CCC certification requirements.

Designed for new energy test systems and high-power load testing, it provides reliable performance, stable operation, and ease of use. The CDN supports EUT load capabilities up to 1,500 V DC / 100 A and 700 V AC / 100 A (three-phase five-wire), with customized voltage and current ratings available upon request.

— Application Areas



Technical Parameters

Coupling/Decoupling Network EFTN 15100T

Automatic Three-Phase CDN	EFT/Burst testing, Max. test voltage 5.5 kV
EUT Load Capacity	Max. AC 700 V, 100 A, 50/60 Hz, three-phase, five-wire Max. DC 1,500 V, 100 A
EUT Power Switching	Automatic Switching
Phase Synchronization	Phase Angle Superposition Between Any Lines of L1, L2, L3, N, and PE
Coupling Path	Any Path of L1, L2, L3, N, and PE
Coupling Switching	Automatic Switching
Coupling Capacitor	33 nF
Coupling Attenuation	<2 dB
Residual Pulse Voltage at EUT Injection Port	< 10% of the applied test pulse voltage

General Parameters

Dimension	19-inch/22U rack
Weight	Approx. 100 kg
Ambient Temperature	15 °C ~ 35 °C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

User Manual, Fuse, Three-core Power Cord, Test Cable, Coaxial Cable, Grounding Wire

Optional Accessories

1	EFT/Burst Calibration Kit	Model: EFT-CA-KIT(SHV) TFB 500(SHV): Impedance 50 Ω, 500:1 TFB 1000(SHV): Impedance 1,000 Ω, 1,000:1 HV-RF connector: SHV-BNC-JJ BNC to banana plug: BNC(K)-2BP(J)	
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