

# HV High-power CDN for EFT/Burst Immunity Tests EFTN 4550T

## Datasheet



### In Compliance with

- > IEC/EN 61000-4-4
- > GB/T 17626.4

### Introduction

The high-voltage high-power CDN for EFT/Burst immunity tests is designed according to test requirements of IEC/EN 61000-4-4, features stable performance and convenient operation. The device is used together with CCS series and EFT series of 3ctest. Maximum EUT load capacity is AC 450 V 50 A/ DC 110 V 50 A and can also be customized according to actual EUT load.

### Features

- > High capacity of EUT load;
- > Automatic switching as scheduled;
- > Over-current protection;
- > Test sequencing for test voltage, polarity, phase sync angle etc.;
- > Superposition of phase angle on random lines;

### Application Areas

- > Communication
- > Telecom
- > Medical
- > TV broadcasting
- > Railway
- > IT
- > Military
- > Avionics
- > New energy electrical power

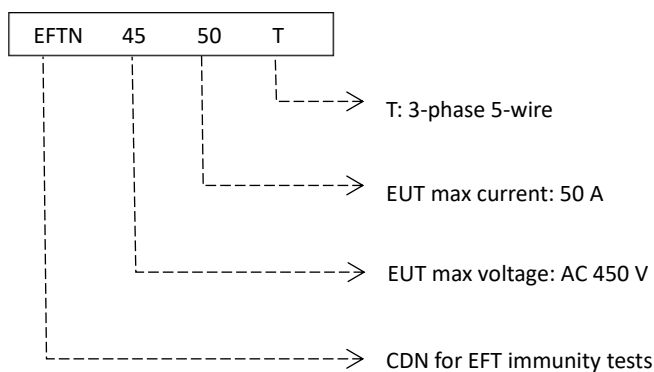
Technical Parameters	
Three-phase Automatic CDN	For EFT/Burst immunity test, voltage up to 4.2 kV.  (Note: the actual output value is subject to the set value of the generator)
EUT Load Capacity	AC 450 V, 50 A, 50 / 60 Hz, 3-phase 5-wire; DC 110 V, 50 A;
Short-term Inrush Current	Peak value 400 A;
Switching of Coupling Paths	Automatic, can be scheduled
Phase Sync.	Any combination of L1, L2, L3, N, PE with any phases and angles;
Coupling Paths	Any combination of L1, L2, L3, N, PE, DC+, DC-;
Coupling Capacitance	33 nF;
Coupling Attenuation	< 2 dB;
Residue Impulse Voltage at EUT Injection End	Less than 10% of test voltage;

General Parameters	
Dimension	19' / 22 U;
Weight	Approx. 150 kg;
Operating Temp	15 °C ~ 35°C
Operating Humidity	45% ~ 75% RH
Operating Air Pressure	86 kPa ~ 106 kPa

Accessories
User manual, Test line, Power line, Grounding line

Options
1. EFT/Burst Calibration Kit    TFB 500/TFB 1000  <b>TFB 500:</b> input impedance 50 Ω, output impedance 50 Ω, attenuation 55 dB  <b>TFB 1000:</b> input impedance 1000 Ω, output impedance 50 Ω, attenuation 60 dB

**Naming Rule:**





## **SUZHOU 3CTEST ELECTRONIC CO., LTD.**

Add.: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

Tel: +86 (0)512 6807 7192      Fax: +86-512-68079795

Sales Email: [globalsales@3ctest.cn](mailto:globalsales@3ctest.cn)      Service Email: [service@3ctest.cn](mailto:service@3ctest.cn)

[www.3c-test.com](http://www.3c-test.com)