



# Coupling Transformer

## TPT-7637-4C1000B

### Features

- ISO 7637-4
  - ISO 21498-2
  - MES PW 67602
- > High load current;
  - > Large power capacity;
  - > Wide frequency range;
  - > 22U cabinet design for convenient transportation.

### Introduction

The TPT-7637-4C1000B coupling transformer is a broadband coupling transformer designed for the anti-interference testing needs of standards such as ISO 21498-2:2021 and ISO 7637-4:2020. It can transmit time-harmonic signals (sine) or pulse signals to the tested equipment (EUT) through magnetic coupling, and has the characteristics of waveform distortion free, large power capacity, and physical isolation from EUT

### Application Areas



## Technical Parameters

Frequency Range	300 Hz-150 kHz
Maximum Coupling Voltage	80 Vpp (open circuit, 2:1)
Maximum Coupling Current	400 App (short circuit, 4:1)
Turn Ratio	2:1 and 4:1
Maximum EUT Current/Voltage*	600 A DC/1000 V DC@Max 20 min; 1000 A DC/1000 V DC@Max 10 min
Size	800 mm (width) * 1150 mm (height) * 1405 mm (depth)
Weight	570 kg
Temperature Range	15°C~35°C
Humidity Range	45% ~ 75%
Pressure Range	86 kPa ~ 106 kPa

\*The maximum working time of the coupling transformer is limited by the maximum EUT current. It is recommended that when using 600 A DC/1000 V DC, the working time should not exceed 20 minutes; When using 1000 A DC/1000 V DC, the working time should not exceed 10 minutes.

## Standard Accessories

Line, Power Line, Grounding Wire, Factory Report, Instruction Manual

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