



Coupling Transformer

TPT-7637-4C1000C

- ISO 7637-4
- ISO 21498-2
- MES PW 67602

Features

- > High load current;
- > Large power capacity;
- > Wide frequency range;
- > 22U rack, easy for transportation

Introduction

The TPT-7637-4C1000C wideband coupling transformer is designed for immunity tests required by standards such as ISO 21498-2 and ISO 7637-4. It can transmit time-harmonic (sinusoidal) signals and pulse signals to the EUT through magnetic coupling, featuring distortion-free waveform, high power capacity and physical isolation from the EUT.

Application Areas



Technical Parameters

Frequency	300 Hz ~ 150 kHz
Max. Coupling Voltage	160 V _{pp} (Open Circuit, 1:1)
Max. Coupling Current	240 A _{pp} (Short Circuit, 4:1)
Turns Ratio	1:1, 2:1 and 4:1
Max. EUT Current/ Voltage*	600 A DC/ 1,000 V DC @Max 20 min; 1,000 A DC/ 1,000 V DC @Max 10 min
Dimension	800 mm (W)*1,150 mm (H)*1,405 mm (D)
Weight	570 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa
* The maximum continuous operating duration of the coupling transformer is limited by the maximum EUT current. It is recommended that the operating time shall not exceed 20 minutes at 600 A DC / 1,000 V DC, and shall not exceed 10 minutes at 1,000 A DC / 1,000 V DC.	

Standard Accessories

Input Cable, High Voltage Output Cable, Power Cord, Test Cable, Grounding Wire, User Manual

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