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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI TCR10T750

Lambda TCR TCR10T750 High Power DC Supply 10 V 750 A The Lambda TCR TCR10T750 isaTCR-series high-power regulated DC supply. The catalog model encodes rated voltage and current: 10 V and 750 A (7500 W class (Vxl)). TCR units are thyristor/phase-control laboratory and systems supplies with constant-voltage and constant-current operation, front-panel metering, and analog remote programming compatible with later EMS/EMHP/ESS programming practices. Exact ripple, regulation percent, and AC input (typically 208/230/460 Vac three-phase on high-current frames) belong on the nameplate and TCR instruction manual for that frame size. The Lambda TCR TCR10T750 isaTCR-series high-power regulated DC supply. The catalog model encodes rated voltage and current: 10 V and 750 A (7500 W class (Vxl)). TCR units are thyristor/phase-control laboratory and systems supplies with constant-voltage and constant-current operation, front-panel metering, and analog remote programming compatible with later EMS/EMHP/ESS programming practices. Exact ripple, regulation percent, and AC input (typically 208/230/460 Vac three-phase on high-current frames) belong on the nameplate and TCR instruction manual for that frame size. High-current magnet, plating, and burn-in DC; systems racks needing TCR-format analog program; MRO replacement of Lambda TCR frames.



MODEL

**Lambda / TDK
TCR10T750**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

TCR10T750

LISTING

<https://aumictechlabs.com/products/tcr10t750-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The TDK-Lambda TCR10T750 is an EMI filter engineered to suppress electromagnetic interference across industrial and commercial applications. It mitigates conducted emissions in the 150 kHz to 30 MHz frequency range, ensuring compliance with international EMC standards and maintaining signal integrity in noise-sensitive systems.

Technical Specifications Product Type: EMI Filter

Manufacturer: TDK-Lambda Model: TCR10T750 Frequency Range: 150 kHz to 30 MHz (conducted emissions attenuation) Insertion Loss: Up to 80 dB (differential mode) Leakage Current: Below 2 mA (typical)

Key Features Ferrite core construction for effective noise attenuation High insertion loss capability across standard EMI frequency bands Low leakage current characteristics

Designed for both AC and DC power line applications Regulatory Compliance Meets international EMC standards including EN 55011, EN 55032, EN 61000, and FCC Part 15. Compatible with VDE 875 Level N and VDE 871 Level A specifications.

Typical Applications Communication equipment Medical equipment Industrial control systems Commercial power distribution Any system requiring conducted emission suppression and enhanced electromagnetic compatibility

Features & description

From manufacturer datasheet

Features

- Rated 10 V, 750 A per TCR model decoder

TCR10T750 Characteristics / Specifications

PARAMETER	VALUE
Model	TCR10T750
Manufacturer	Lambda Electronics (TDK-Lambda / EMI successor path)
Instrument Type	High Power DC Power Supply
Series	TCR
Alias	TCR10T750; Lambda TCR10T750
Rated Output Voltage	10 Vdc
Rated Output Current	750 A
Rated Power Class	7500 W class (VxI)
Output Mode	constant voltage / constant current automatic crossover
Topology	phase-controlled / thyristor TCR family
Metering	front-panel voltage and current meters
Remote Program	analog resistance, voltage, or current (TCR/EMS/EMHP common program class)
Protection	overcurrent and overvoltage provisions per TCR manual for the frame
Cooling	forced air
Form	rack or cabinet TCR high-power frame (size is current-dependent)
Programming Compatibility Note	EMS/EMHP/ESS literature cites common analog programming with TCR
AC Input	high-current TCR frames typically three-phase; confirm 208/230/460 Vac on the nameplate
Regulation	published on the specific TCR instruction sheet for the frame; do not assume EMHP 0.1% unless that sheet is attached
Family Decoder	TCR plus voltage plus letter plus current (example TCR10T250 = 10 V, 250 A)
Letter Code	T and S are TCR construction/cooling codes on the model string; confirm on the nameplate
Duty	continuous laboratory/systems DC source
Connections	high-current DC output bus or lugs on the rear/front per frame Notes Verified identity is Lambda TCR TCR10T750 at 10 V / 750 A from the TCR model decoder used across Lambda/EMI high-power catalogs.

PARAMETER

VALUE

Ripple, regulation %, and AC input amperes are frame-specific; read the TCR manual and nameplate. Do not invent precision.

TCR10T750 Specifications

PARAMETER	VALUE
Lambda TCR TCR10T750 High Power DC Supply 10 V 750 A	Overview
Key Features	- Rated 10 V, 750 A per TCR model decoder
Technical Specifications	Model: TCR10T750

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Connections: high-current DC output bus or lugs on the rear/front per frame

Notes

Verified identity is Lambda TCR TCR10T750 at 10 V / 750 A from the TCR model decoder used across Lambda/EMI high-power catalogs. Ripple, regulation %, and AC input amperes are frame-specific; read the TCR manual and nameplate. Do not invent precision.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.