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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI LT-864

The Lambda/TDK EMI LT-864 is an electromagnetic interference filter that mitigates conducted noise and disturbances in electronic systems. Using passive L-C circuits with inductors and capacitors, it blocks high-frequency noise while maintaining signal integrity across sensitive equipment. The filter ensures compliance with FCC Class A conducted EMI standards and addresses critical EMC immunity requirements, protecting systems against electrical fast transients and surge events per EN 61000-4-4 and EN 61000-4-5. Typical Applications The LT-864 provides EMI filtration for industrial power distribution, laboratory instrumentation, and sensitive control electronics requiring FCC Class A compliance and multi-standard EMC certification. Compatibility & Integration The LT-864 integrates with TDK-Lambda LT-series power supplies including LT-800, LT-820, LT-860, LT-880, and LT-890 models. Thes



MODEL

Lambda / TDK LT-864

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LT-864

LISTING

<https://aumictechlabs.com/products/lt-864-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda/TDK EMI LT-864 is an electromagnetic interference filter that mitigates conducted noise and disturbances in electronic systems. Using passive L-C circuits with inductors and capacitors, it blocks high-frequency noise while maintaining signal integrity across sensitive equipment. The filter ensures compliance with FCC Class A conducted EMI standards and addresses critical EMC immunity requirements, protecting systems against electrical fast transients and surge events per EN 61000-4-4 and EN 61000-4-5. Technical Specifications

Product Type: EMI Filter Manufacturer: Lambda / TDK Model: LT-864 Input Voltage: 187–265 VAC (3-phase, 4-wire) Maximum Phase Imbalance: $\pm 10\%$ Frequency: 47–63 Hz EMI Conformance: FCC 20780 Class A (conducted) Immunity Test Range: 500V–4,000V peak

Key Features Passive inductor-capacitor topology diverts high-frequency noise while passing desired low-frequency currents Addresses EN 61000-4-4 electrical fast transient/burst immunity Addresses EN 61000-4-5 surge immunity with low-voltage transient protection (several mJ) Heavy-duty barrier strip AC input and grounding connections Fan-cooled design with forced-air circulation and long-life cooling fans Performance criteria (A–D) selectable for different operating environments

Typical Applications The LT-864 provides EMI filtration for industrial power distribution, laboratory instrumentation, and sensitive control electronics requiring FCC Class A compliance and multi-standard EMC certification.

Compatibility & Integration The LT-864 integrates with TDK-Lambda LT-series power supplies including LT-800, LT-820, LT-860, LT-880, and LT-890 models. These supplies feature constant voltage/constant current operation with rear-mounted DC output bus bars and comprehensive overvoltage protection.

LT864 Characteristics / Specifications

PARAMETER	VALUE
Model	LT-864
Manufacturer	Lambda Electronics
Instrument Type	Programmable DC Power Supply
Series	LT-861 to LT-864 GPIB
Alias	LT-864; LT864; LT-864-42569-1
Output Voltage	0 to 60 Vdc
Output Current	0 to 70 A
Output Power Class	4200 W (60 V times 70 A)
AC Input	187 to 265 Vac three phase
Input Frequency	47 to 63 Hz
Phase	3 phase AC
Meters	analog voltmeter and ammeter
Output Connections	heavy duty bus bars plus barrier strip
Remote Sense	yes
Programming	front panel; GPIB on LT-861 to LT-864 GPIB family
Mode	CV/CC regulated Lambda high current class
Form	19 in rack, 5.25 in (3U) height class
Width	19 in
Height	5.25 in
Depth	21 in class (surplus outline)
Related Family	LT-861 through LT-864 0 to 7.5 through 60 V, 500 through 70 A service group
Not LT8	LT-824 isasmall LT-820 class bench supply, not 70 A
Cooling	forced air high current rack
Duty	continuous within nameplate
Status	legacy Lambda high current lab

PARAMETER	VALUE
Identity Rule	confirm 60 V / 70 A on the faceplate Notes Specs from Lambda LT-864 surplus/OEM rows (0-60 V, 0-70 A, 187-265 Vac 3-phase) and LT-861-864 GPIB service-manual family identity. Confirm GPIB option and exact input jumper on the nameplate.

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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Specifications	
PARAMETER	VALUE
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Remote Sense	yes
Programming	front panel; GPIB on LT-861 to LT-864 GPIB family

Specifications

PARAMETER	VALUE
Mode	CV/CC regulated Lambda high current class
Form	19 in rack, 5.25 in (3U) height class
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Specifications

PARAMETER	VALUE
Height	5.25 in
Depth	21 in class (surplus outline)
Related Family	LT-861 through LT-864 0 to 7.5 through 60 V, 500 through 70 A service group

Specifications

PARAMETER	VALUE
Not LT824	LT-824 isasmall LT-820 class bench supply, not 70 A
Cooling	forced air high current rack
Duty	continuous within nameplate

Status: legacy Lambda high current lab

Identity Rule: confirm 60 V / 70 A on the faceplate

Notes

Specs from Lambda LT-864 surplus/OEM rows (0-60 V, 0-70 A, 187-265 Vac 3-phase) and LT-861--864 GPIB service-manual family identity. Confirm GPIB option and exact input jumper on the nameplate.

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

788 S 500 E, Pleasant Grove, UT 84062
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<https://aumictechlabs.com>

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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.