

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

LAMBDA / TDK / EMI

Lambda / TDK / EMI LNS-W-5-OV

Manufacturer: Lambda Electronics (Veeco/Lambda) Instrument Type: Single Output Linear Power Module Alias: LNS-W-5-OV; LNSW5OV; Lambda LNS W 5 OV Output Voltage Nominal: 5 Vdc with OV suffix Instrument Type: Single Output Linear Power Module Alias: LNS-W-5-OV; LNSW5OV; Lambda LNS W 5 OV Output Voltage Nominal: 5 Vdc with OV suffix OV Option: overvoltage protection included

**MODEL****Lambda / TDK /
EMI LNS-W-5-OV****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****LNS-W-5-OV****LISTING**[https://aumictechlabs.c
om/products/lns-w-5-o
v-2/](https://aumictechlabs.com/products/lns-w-5-ov-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda/TKD/EMI LNS-W-5-OV is a linear, convection-cooled power supply delivering 63 W at 5 V DC for industrial and commercial applications requiring low-noise, stable power. This single-output unit is engineered for systems with sensitive analog circuits, offering 1.5 mV RMS ripple and 5 mV peak-to-peak noise. Overvoltage protection and automatic electronic current limiting are standard, with remote sensing capability to compensate for lead resistance effects on DC regulation. Technical Specifications Output Power: 63 W Output Voltage: 5 V DC maximum Output Current: 11.9 A DC maximum AC Input: 105–127 VAC or 210–254 VAC (via transformer tap change) Input Frequency: 47–440 Hz Line Regulation: 0.1% Load Regulation: 0.1% Output Ripple & Noise: 1.5 mV RMS, 5 mV pk-pk Operating Temperature: 0°C to +71°C (derating required above +40°C) Storage Temperature: –56°C to +85°C EMI Compliance: MIL-F-61810 (conducted and

radiated, one output terminal grounded)Key Features Convection cooling eliminates need for external heat sinks or forced-air systems Heavy-duty screw terminals on PCB for solid connections Overvoltage protection standard on 5V models Automatic electronic current limiting protects load and supply Thermostat with automatic reset upon temperature normalization Remote sensing provision for precision DC regulation Wide AC input frequency range: 47–440 Hz supports global and variable-frequency sourcesTypical Applications Industrial control systems, medical instrumentation, test equipment, and precision analog circuits requiring exceptionally low noise and high regulation accuracy.Compatibility & Integration Part of the TDK-Lambda LN Series. Mounting provisions include tapped holes for customer-specified fasteners. Output connections via PCB-mounted screw terminals. Standard dimensions for LN-W series: 9" × 4.5" × 4.313" (net weight 9 lbs).

LNSW5OV Characteristics / Specifications

PARAMETER	VALUE
Model	LNS-W-5-OV
Manufacturer	Lambda Electronics (Veeco/Lambda)
Instrument Type	Single Output Linear Power Module
Series	LNS-W
Alias	LNS-W-5-OV; LNSW5OV; Lambda LNS W 5 OV
Output Voltage Nominal	5 Vdc with OV suffix
OV Option	overvoltage protection included
Electrical Cousin	LNS-X-5-OV 4.8-5.2 V, 5.3-10 A, 105-127/210-254 Vac (X-case table; confirm W-case current column)
AC Input Family	105-127 Vac or 210-254 Vac, 47-440 Hz (LNS family)
Phase	single phase
Output Connections	terminal strip class LNS
Case Letter	W (not X, Y, or Z)
Outline	LNS-W drawing; do not copy LNS-X 7.00 × 4.875 × 2.875 in without theWdrawing
Related LNS X 5 OV	same 5 V OV electrical intent, X outline
Related LNS Z 5 OV	Z-case 4.875 × 4.000 × 1.750 in class NSN rows; different module
Adjustment	voltage adjustment on LNS 5 V modules
Form	slot/module open-frame or covered perWdrawing
FSC	6130 class power supply module
Status	legacy Lambda modular
Identity Rule	match case letter to the chassis cutout
Ambient	LNS family elevated ambient with current derating
Documentation	Lambda LNS instruction manual case-letter table Notes W-case 5 V OV identity. Use LNS-X-5-OV electrical numbers only after confirming the W-case current column. Do not invent W-case amperes.

LNSW5OV Specifications

PARAMETER	VALUE
Applications	5 V OV rail in Lambda LNS-W outline; MRO where the chassis cutout is W-case.
Key Features	- 5 V OV LNS family, W case
Technical Specifications	Model: LNS-W-5-OV
Notes	W-case 5 V OV identity. Use LNS-X-5-OV electrical numbers only after confirming the W-case current column. Do not invent W-case amperes.

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	
Specifications	
PARAMETER	VALUE
Model	LNS-W-5-0V
Manufacturer	Lambda Electronics (Veeco/Lambda)
Instrument Type	Single Output Linear Power Module
Specifications	
PARAMETER	VALUE
Series	LNS-W
Alias	LNS-W-5-0V; LNSW50V; Lambda LNS W 5 0V
Output Voltage Nominal	5 Vdc with 0V suffix
Specifications	
PARAMETER	VALUE
OV Option	overvoltage protection included
Electrical Cousin	LNS-X-5-0V 4.8-5.2 V, 5.3-10 A, 105-127/210-254 Vac (X-case table; confirm W-case current column)
AC Input Family	105-127 Vac or 210-254 Vac, 47-440 Hz (LNS family)
Specifications	
PARAMETER	VALUE
Phase	single phase
Output Connections	terminal strip class LNS
Case Letter	W (not X, Y, or Z)
Specifications	
PARAMETER	VALUE
Outline	LNS-W drawing; do not copy LNS-X 7.00 x 4.875 x 2.875 in without theWdrawing
Related LNS X 5 0V	same 5 V 0V electrical intent, X outline

PARAMETER	VALUE
Related LNS Z 5 0V	Z-case 4.875 x 4.000 x 1.750 in class NSN rows; different module

Specifications

PARAMETER	VALUE
Adjustment	voltage adjustment on LNS 5 V modules
Form	slot/module open-frame or covered perWdrawing
FSC	6130 class power supply module

Specifications

PARAMETER	VALUE
Status	legacy Lambda modular
Identity Rule	match case letter to the chassis cutout
Ambient	LNS family elevated ambient with current derating

Documentation: Lambda LNS instruction manual case-letter table

Notes

W-case 5 V 0V identity. Use LNS-X-5-0V electrical numbers only after confirming the W-case current column. Do not invent W-case amperes.

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
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.