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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI GENH150-5 / N5750A

The Lambda GENH150-5, marketed by TDK as the N5750A, is a 150 W AC-DC power supply delivering regulated 5 VDC at 30 A output. Built with active power factor correction and comprehensive protection circuits, this unit operates from 100–240 VAC, 50/60 Hz input and maintains tight output regulation across line and load variations. EMI-compliant design minimizes electromagnetic interference, making it suitable for industrial and commercial systems requiring stable, isolated DC power. Forced air cooling and integrated thermal management enable continuous operation under full-load conditions. Active Power Factor Correction (PFC) for harmonic compliance and improved efficiency Overvoltage Protection (OVP), Overcurrent Protection (OCP), and Short Circuit Protection (SCP) Aumictech offers NIST-traceable calibration and repair for the Lambda / TDK GENH150-5 / N5750A. All calibrations are performed

**MODEL****Lambda / TDK
GENH150-5 /
N5750A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****GENH150-5 /
N5750A****LISTING**<https://aumictechlabs.com/products/genh150-5-n5750a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda GENH150-5, marketed by TDK as the N5750A, is a 150 W AC-DC power supply delivering regulated 5 VDC at 30 A output. Built with active power factor correction and comprehensive protection circuits, this unit operates from 100–240 VAC, 50/60 Hz input and

maintains tight output regulation across line and load variations. EMI-compliant design minimizes electromagnetic interference, making it suitable for industrial and commercial systems requiring stable, isolated DC power. Forced air cooling and integrated thermal management enable continuous operation under full-load conditions. Technical Specifications Output: 5 VDC @ 30 A (150 W) Input: 100–240 VAC, 50/60 Hz Efficiency: >80% typical Line Regulation: <0.5% across full input voltage range Load Regulation: <1.0% from 0–100% load variation Input Connector: IEC C14 inlet Output Connector: Terminal block or variant-specific connector Key Features Active Power Factor Correction (PFC) for harmonic compliance and improved efficiency Inrush current limiting to protect upstream distribution Overvoltage Protection (OVP), Overcurrent Protection (OCP), and Short Circuit Protection (SCP) Over-Temperature Protection (OTP) with thermal shutdown Low output ripple and noise for sensitive load compatibility LED status indicators for power and fault monitoring Switching frequency internally optimized for EMI performance Typical Applications Industrial control and automation systems Laboratory test equipment and instrumentation Rack-mount and chassis-integrated systems Applications requiring EMI-filtered 5 VDC in the USA market Compatibility & Integration The GENH150-5/N5750A integrates into standard 19" rack frames and industrial enclosures. Configurable hold-up time adapts to varying input voltage and load scenarios. The IEC C14 inlet and terminal block output support both field retrofit and new system integration workflows.

GENH1505N5750A Characteristics / Specifications

PARAMETER	VALUE
Model	GENH150-5
Manufacturer	TDK-Lambda (Lambda); Keysight N5750A OEM class
Instrument Type	Programmable DC Power Supply
Series	Genesys GENH 750 W / Keysight N5700
Alias	GENH150-5; GENH 150-5; GENH-150-5; N5750A
Rated Output Voltage	0 to 150 Vdc
Rated Output Current	0 to 5 A
Rated Output Power	750 W
Voltage Ripple RMS	10 mVrms (0.01 Vrms, 5 Hz to 1 MHz) GENH table
Output Noise PP	100 mV p-p (less than 20 MHz) Genesys table
Current Ripple GENH	0.018 Arms (5 Hz to 1 MHz)
Efficiency	83 percent / 87 percent (100/200 Vac); 87 percent typical TDK center
Construction GENH	1U half rack / bench
Width GENH	214 mm nom. (8.43 in)
Height GENH	43.6 mm nom. (1.72 in)
Depth GENH	437.5 mm nom. (17.22 in)
Weight GENH	4500 g typical (9.9 lb)
AC Input	85 to 265 Vac single phase
Input Frequency	47 to 63 Hz
Operating Temperature	0 to 50 C (750 W / GENH class)
Remote Digital Standard GENH	RS-232 and RS-485
Remote Analog Standard	5 V/10 V program and monitor class
Interface Options GENH	LAN LXI; USB; IEEE 488.2; isolated analog 5 V/10 V or 4 to 20 mA
Safety Standards	IEC 61010-1; CSA C22.2 No. 61010-1; EN 61010-1; UL 61010-1
N5750A Form	1U full rack N5700 750 W

PARAMETER	VALUE
N5750A Interfaces	GPIO, LAN LXI Core, USB 2.0 standard
N5750A Program Accuracy V	0.05 percent plus 75 mV
N5750A Program Accuracy I	0.1 percent plus 5 mA
N5750A CV RMS	12 mV
N5750A CV PP	100 mV
N5750A CC RMS	18 mA
N5750A Load Effect V	17 mV (10 to 90 percent load)
N5750A Load Effect I	6 mA (10 to 90 percent load)
N5750A Transient Recovery	2 ms or less
Full Rack Sibling	GEN 150-5 same 0-150 V / 0-5 A / 750 W 1U rack
Protection	OVP, overtemperature, current limit / foldback class
Output Mode	CV and CC automatic crossover Notes Specs from TDK product center GENH150-5, TDK-Lambda Genesys table (GENH 150-5: 750 W, 10 mVrms, 100 mV p-p, 83/87 percent), and Keysight N5750A N5700 sheet (150 V, 5 A, 750 W, 12 mVrms / 100 mV p-p / 18 mA). Confirm GENH half-rack versus N5750A/GEN full-rack on the unit.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 C (750 W / GENH class)
Operating Temperature	0 to 50 C (750 W / GENH class)
Remote Digital Standard GENH	RS-232 and RS-485
Remote Analog Standard	5 V/10 V program and monitor class
Interface Options GENH	LAN LXI; USB; IEEE 488.2; isolated analog 5 V/10 V or 4 to 20 mA
Safety Standards	IEC 61010-1; CSA C22.2 No. 61010-1; EN 61010-1; UL 61010-1
N5750A Form	1U full rack N5700 750 W
N5750A Interfaces	GPIB, LAN LXI Core, USB 2.0 standard
N5750A Program Accuracy V	0.05 percent plus 75 mV
N5750A Program Accuracy I	0.1 percent plus 5 mA
N5750A CV RMS	12 mV
N5750A CV PP	100 mV
N5750A CC RMS	18 mA
N5750A Load Effect V	17 mV (10 to 90 percent load)
N5750A Load Effect I	6 mA (10 to 90 percent load)
N5750A Transient Recovery	2 ms or less
Full Rack Sibling	GEN 150-5 same 0-150 V / 0-5 A / 750 W 1U rack
Protection	OVP, overtemperature, current limit / foldback class
Output Mode	CV and CC automatic crossover Notes Specs from TDK product center GENH150-5, TDK-Lambda Genesys table (GENH 150-5: 750 W, 10 mVrms, 100 mV p-p, 83/87 percent), and Keysight N5750A N5700 sheet (150 V, 5 A, 750 W, 12 mVrms / 100 mV p-p / 18 mA). Confirm GENH half-rack versus N5750A/GEN full-rack on the unit.

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	GENH150-5
Manufacturer	TDK-Lambda (Lambda); Keysight N5750A OEM class
Instrument Type	Programmable DC Power Supply
Specifications	
PARAMETER	VALUE
Series	Genesys GENH 750 W / Keysight N5700
Alias	GENH150-5; GENH 150-5; GENH-150-5; N5750A
Rated Output Voltage	0 to 150 Vdc
Specifications	
PARAMETER	VALUE
Rated Output Current	0 to 5 A
Rated Output Power	750 W
Voltage Ripple RMS	10 mVrms (0.01 Vrms, 5 Hz to 1 MHz) GENH table
Specifications	
PARAMETER	VALUE
Output Noise PP	100 mV p-p (less than 20 MHz) Genesys table
Current Ripple GENH	0.018 Arms (5 Hz to 1 MHz)
Efficiency	83 percent / 87 percent (100/200 Vac); 87 percent typical TDK center
Specifications	
PARAMETER	VALUE
Construction GENH	1U half rack / bench
Width GENH	214 mm nom. (8.43 in)
Height GENH	43.6 mm nom. (1.72 in)

Specifications

PARAMETER	VALUE
Depth GENH	437.5 mm nom. (17.22 in)
Weight GENH	4500 g typical (9.9 lb)
AC Input	85 to 265 Vac single phase

Specifications

PARAMETER	VALUE
Input Frequency	47 to 63 Hz
Operating Temperature	0 to 50 C (750 W / GENH class)
Remote Digital Standard GENH	RS-232 and RS-485

Specifications

PARAMETER	VALUE
Remote Analog Standard	5 V/10 V program and monitor class
Interface Options GENH	LAN LXI; USB; IEEE 488.2; isolated analog 5 V/10 V or 4 to 20 mA
Safety Standards	IEC 61010-1; CSA C22.2 No. 61010-1; EN 61010-1; UL 61010-1

Specifications

PARAMETER	VALUE
N5750A Form	1U full rack N5700 750 W
N5750A Interfaces	GPIB, LAN LXI Core, USB 2.0 standard
N5750A Program Accuracy V	0.05 percent plus 75 mV

Specifications

PARAMETER	VALUE
N5750A Program Accuracy I	0.1 percent plus 5 mA
N5750A CV RMS	12 mV
N5750A CV PP	100 mV

Specifications

PARAMETER	VALUE
N5750A CC RMS	18 mA
N5750A Load Effect V	17 mV (10 to 90 percent load)
N5750A Load Effect I	6 mA (10 to 90 percent load)

Specifications

PARAMETER	VALUE
N5750A Transient Recovery	2 ms or less
Full Rack Sibling	GEN 150-5 same 0-150 V / 0-5 A / 750 W 1U rack
Protection	OVP, overtemperature, current limit / foldback class

Output Mode: CV and CC automatic crossover

Notes

Specs from TDK product center GENH150-5, TDK-Lambda Genesys table (GENH 150-5: 750 W, 10 mVrms, 100 mV p-p, 83/87 percent), and Keysight N5750A N5700 sheet (150 V, 5 A, 750 W, 12 mVrms / 100 mV p-p / 18 mA). Confirm GENH half-rack versus N5750A/GEN full-rack on the unit.

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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<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.