

LAN SERIES E-"H" WITH HIGH ISOLATION

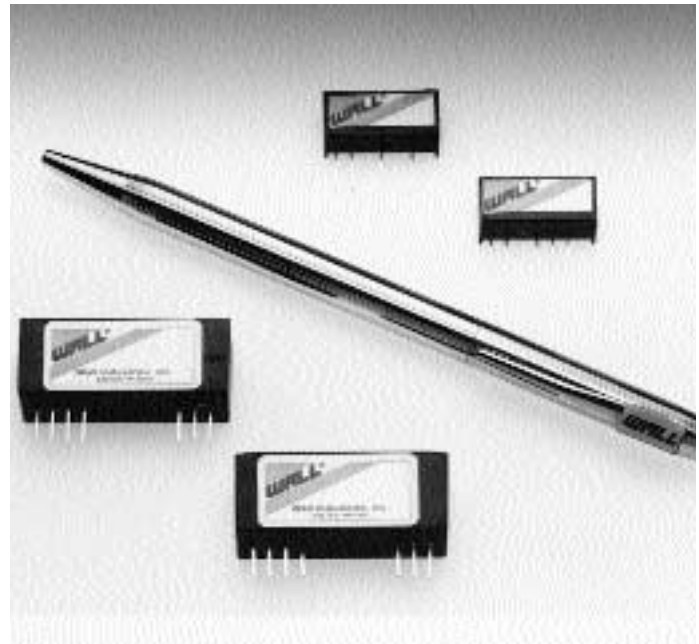
Economical SIP Packaging for Local Area Networking Applications

FEATURES

- Ultra miniature 7 pin SIP, single outputs
- 3000VDC I/O Isolation
- Single and Dual Outputs
- One Watt Output Power

THE LAN E-H SERIES WITH HIGH ISOLATION FROM WALL INDUSTRIES

When your application demands low power, minimal board space, and a high level of input/output isolation is necessary, the highly isolated LANE-H miniature converters offer superior solutions for an economical cost. Users have a multitude of options and operational ratings to choose from in custom-tailoring the converter to the demands of the application. Populating 0.179 square inches of board space, the LANE-H provides one watt of power while maintaining specifications over the entire commercial operation temperature range.



SPECIFICATIONS: LAN SERIES E-H

All specifications apply @ +25 C ambient unless otherwise noted.

INPUT SPECIFICATIONS

Input Voltage Range.....5,12,15,24VDC ±5%
 Input FilteringLow ESR Capacitors
 Input Voltage Tolerance±5%

OUTPUT SPECIFICATIONS

Output CurrentSee Table
 Voltage Tolerance.....±5% (nom. line, 100% load)
 Line Regulation.....Typ. ±1.3% / % Vin
 Load Regulation.....Typ. 5Vout ±15%
other outputs ±10%
 Ripple/Noise (20MHz BW)100mV p-p max.
 Short Circuit ProtectionShort Term

GENERAL SPECIFICATIONS

Efficiency70 to 75%
 Isolation Voltage (input to output)3000VDC
 Switching Frequency.....20kHz min.

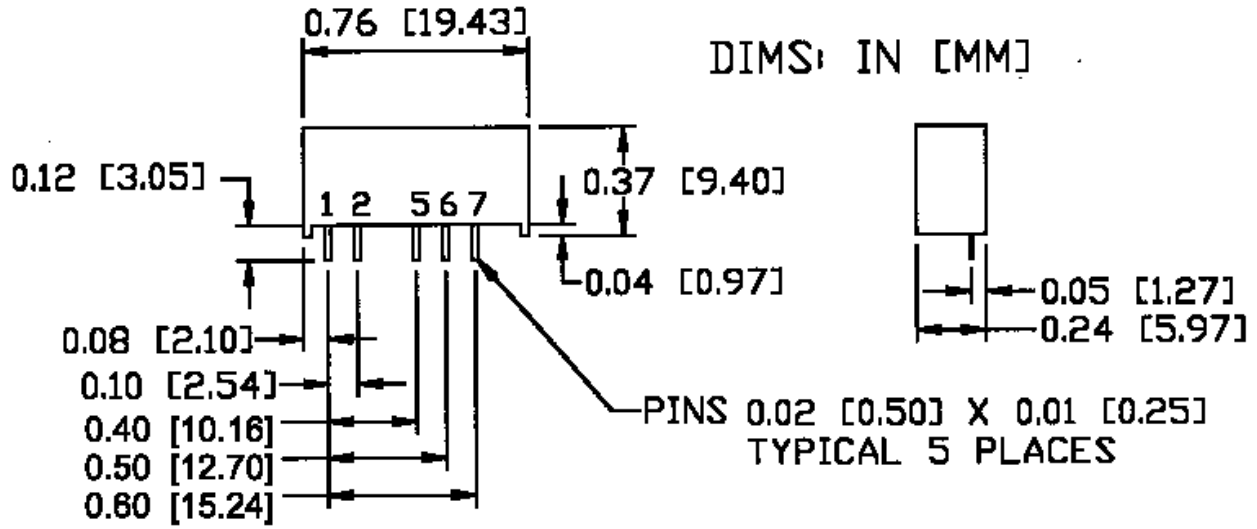
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature0 to +71°C
 Storage Temperature-25 to 100°C
 CoolingFree Air Convection

PHYSICAL SPECIFICATIONS

Dimensions0.765 x 0.235 x 0.37"
 Case MaterialNon-Conductive black plastic

Due to advances in technology, specifications subject to change without notice.



all case and pin-to-case measurements for reference only unless otherwise noted.

Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Model Number
5	5	200	LANE505NH
5	12	85	LANE512NH
5	15	66	LANE515NH
5	± 5	100	LANE505NDH
5	± 12	42	LANE512NDH
5	± 15	33	LANE515NDH
12	5	200	LANE1205NH
12	12	85	LANE1212NH
12	15	66	LANE1215NH
12	± 5	100	LANE1205NDH
12	± 12	42	LANE1212NDH
12	± 15	33	LANE1215NDH
15	5	200	LANE1505NH
15	12	85	LANE1512NH
15	15	66	LANE1515NH
15	± 5	100	LANE1505NDH
15	± 12	42	LANE1512NDH
15	± 15	33	LANE1515NDH
24	5	200	LANE2405NH
24	12	85	LANE2412NH
24	15	66	LANE2415NH
24	± 5	100	LANE2405NDH
24	± 12	42	LANE2412NDH
24	± 15	33	LANE2415NDH

PIN CONNECTIONS	LANE-H	
	Single	Dual
1	+ Vin	+ Vin
2	- Vin	- Vin
5	-Vout	-Vout
6	No Pin	Common
7	+ Vout	+ Vout