

LAN K SERIES - UP TO 4 WATTS

- 1500VDC Isolation Voltage
- 2:1 and 4:1 Input, Single and Dual Outputs
- Regulated Outputs
- 80% typical efficiency
- Low Reflected Ripple Current
- -40°C Operating Temperature Versions Available (consult factory).
- No derating -40°C through +71°C Ambient
- UL/CUL 1950



THE LAN K SERIES FROM WALL INDUSTRIES

When high isolation and wide input voltage range are needed, the LAN K Series offers a superior solution at an economical price. The LAN K Series is fully regulated and housed in an industry standard 24 pin DIP package.

SPECIFICATIONS: LAN K SERIES

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

INPUT SPECIFICATIONS

Input Voltage Range5, 12, 24, 48 nominal (2:1)
24, 48 nominal (4:1)
 Input FilteringPi Network

OUTPUT SPECIFICATIONS

Output Currentsee table
 Voltage Tolerance..... $\pm 1\%$ max.
 Line Regulation: ..at full load..... $\pm 0.5\%$ max.
 Load Regulation: ..10-100% load..... $\pm 1\%$
 Ripple/Noise20MHz BW.....1% p-p max.
 Short Circuit Protection.....continuous
 Temp Coefficient: ..at full load..... $\pm 0.02\%/^{\circ}\text{C}$ max.

GENERAL SPECIFICATIONS

Efficiencyat full load80% typical
 Isolation Voltageinput to output.....1500VDC
 Isolation Resistance1000Mohms
 Switching Frequency300kHz typical

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....-40 to +71°C
 Storage Temperature-40 to +125°C
 Cooling.....free air convection
 Derating.....none

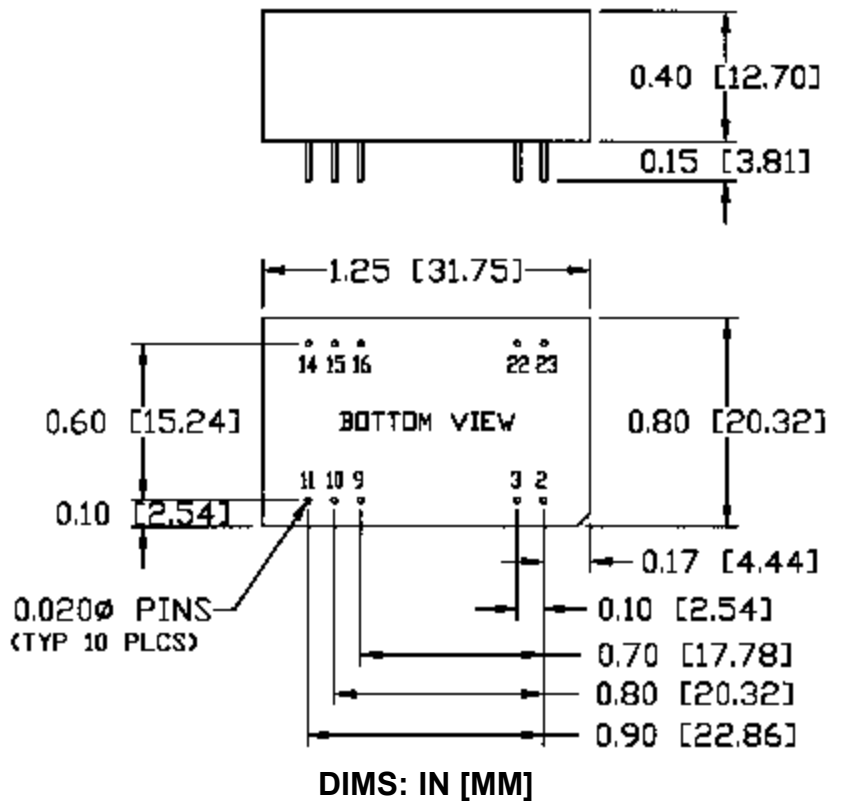
PHYSICAL SPECIFICATIONS

Dimensions0.80 x 1.25 x 0.40"
 Case Materialnon-conductive black plastic (2:1)
metal with non-conductive base (4:1)

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

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Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Model Number
4.5-9	3.3	600	LANK53.3W2
	5	500	LANK505W3
	12	250	LANK512W3
	15	200	LANK515W3
	±5	250	LANK505DW3
	±12	125	LANK512DW3
	±15	100	LANK515DW3
9-18	3.3	600	LANK123.3W2
	5	500	LANK1205W3
	12	250	LANK1212W3
	15	200	LANK1215W3
	±5	250	LANK1205DW3
	±12	125	LANK1212DW3
	±15	100	LANK1215DW3
18-36	3.3	600	LANK243.3W2
	5	500	LANK2405W3
	12	250	LANK2412W3
	15	200	LANK2415W3
	±5	250	LANK2405DW3
	±12	125	LANK2412DW3
	±15	100	LANK2415DW3
36-75	3.3	600	LANK483.3W2
	5	500	LANK4805W3
	12	250	LANK4812W3
	15	200	LANK4815W3
	±5	250	LANK4805DW3
	±12	125	LANK4812DW3
	±15	100	LANK4815DW3
9-36	3.3	900	LANK243.3UW3
	5	660	LANK2405UW3
	12	333	LANK2412UW4
	15	267	LANK2415UW4
	±5	300	LANK2405DUW3
	±12	167	LANK2412DUW4
	±15	133	LANK2415DUW4
18-75	3.3	900	LANK483.3UW3
	5	660	LANK4805UW3
	12	333	LANK4812UW4
	15	267	LANK4815UW4
	±5	300	LANK4805DUW3
	±12	167	LANK4812DUW4
	±15	133	LANK4815DUW4



PIN CONNECTIONS

Pin	Single Output	Dual Output
2	- Vin	- Vin
3	- Vin	- Vin
9	no pin	Common
10	no pin	no pin
11	NC	- Vout
14	+ Vout	+ Vout
15	no pin	no pin
16	- Vout	Common
22	+ Vin	+ Vin
23	+ Vin	+ Vin

NOTES

1. All case and pin-to-case dimensions reference only unless otherwise noted.
2. All DC/DC converters should be externally fused on the front end for protection.
3. "D" in part number denotes dual output models.

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