

PRODUCT FEATURES

- 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

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 Range.....5, 12, 24, 48 nominal (2:1)
24, 48 nominal (4:1)

Input Filtering.....Pi Network

OUTPUT SPECIFICATIONS

Output Current.....	see table
Voltage Tolerance.....	±4% max.
Line Regulation: at full load.....	±1% max.
Load Regulation: 25-100% load).....	±1%
Ripple/Noise (20MHz BW).....	1% p-p max.
Short Circuit Protection.....	Power Foldback
Temp Coefficient: at full load.....	±0.02%/°C max.

GENERAL SPECIFICATIONS

Efficiency (at full load).....	80% typical
Isolation Voltage (input to output).....	1500VDC
Isolation Resistance.....	1000Mohms
Switching Frequency.....	300kHz typical

ENVIRONMENTAL SPECIFICATIONS

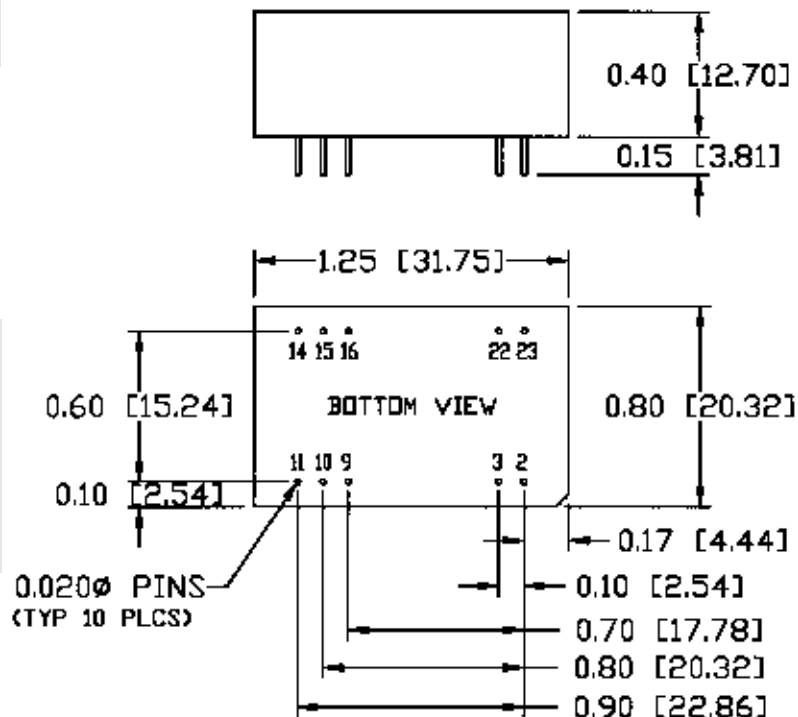
Operating Temperature.....	-40 through +71°C
Storage Temperature.....	-40 to +125°C
Cooling.....	Free air convection
Derating.....	None

PHYSICAL SPECIFICATIONS

Dimensions:.....0.80 x 1.25 x 0.40"

Case Material.....Non-conductive black plastic (2:1)
metal with non-conductive base (4:1)

Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Model Number
4.5-9.0	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	LANK4812UW3
	15	267	LANK4815UW3
	± 5	300	LANK4805DUW3
	± 12	167	LANK4812DUW3
	± 15	133	LANK4815DUW3



DIMS: IN [MM]

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 model.

8/4/03