

LAN C-W SERIES - TO 8 WATTS

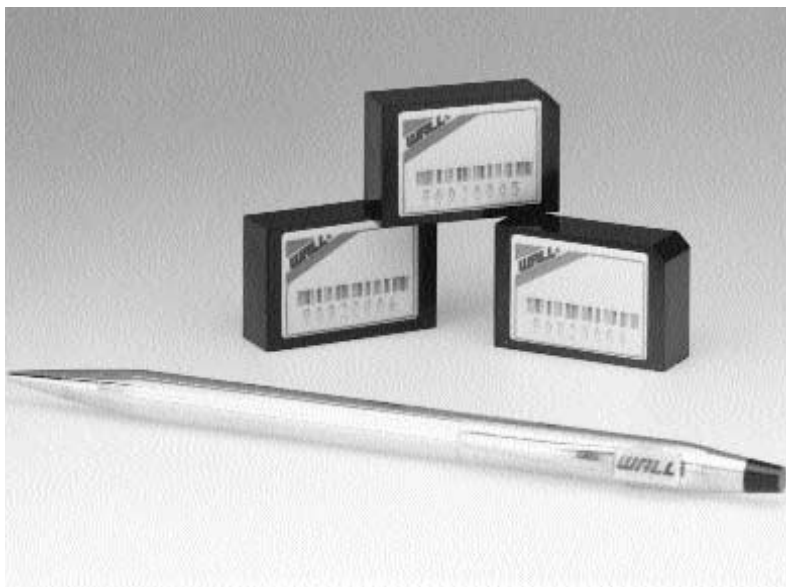
High Power Density, Dual In-Line Package

FEATURES

- Wide Input Voltage Range
- Regulated Outputs
- Continuous Short Circuit Protection
- 1600VDC I/O Isolation
- Metallic Case for Five Sided Shielding
- No Derating to 70°C

THE LAN C-W 8 WATT SERIES FROM WALL INDUSTRIES

The LANCW Series of DC/DC converters offers up to 8 Watts of output power. The LANCW Series is intended to provide power and isolation for applications requiring high power density.



SPECIFICATIONS: LANC-W SERIES

INPUT SPECIFICATIONS

Input Voltage Range.....9-18, 18-36, 36-75VDC
 Nominal Input.....12, 24, 48VDC
 Input FilterPi-input filter

OUTPUT SPECIFICATIONS

Output Current.....See Table
 Voltage Tolerance.....±2%
 Line Regulation±0.2%
 Load RegulationSingle ±0.2%, Dual ±1%
 Ripple/Noise (20MHz BW)50mV p-p typical
 Short Circuit ProtectionContinuous
 Over-Voltage Protection.....N/A

GENERAL SPECIFICATIONS

Efficiency (at full load).....80% to 86%
 Isolation Voltage (input to output).....1600 VDC min.
 Isolation Resistance..... 10^9 Ohms
 Switching Frequency.....300kHz

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....-25 to 71°C
 Storage Temperature.....-55°C+125°C
 Cooling.....Free Air Convection
 Humidity.....20% to 95% R.H. (non-condensing)

PHYSICAL SPECIFICATIONS

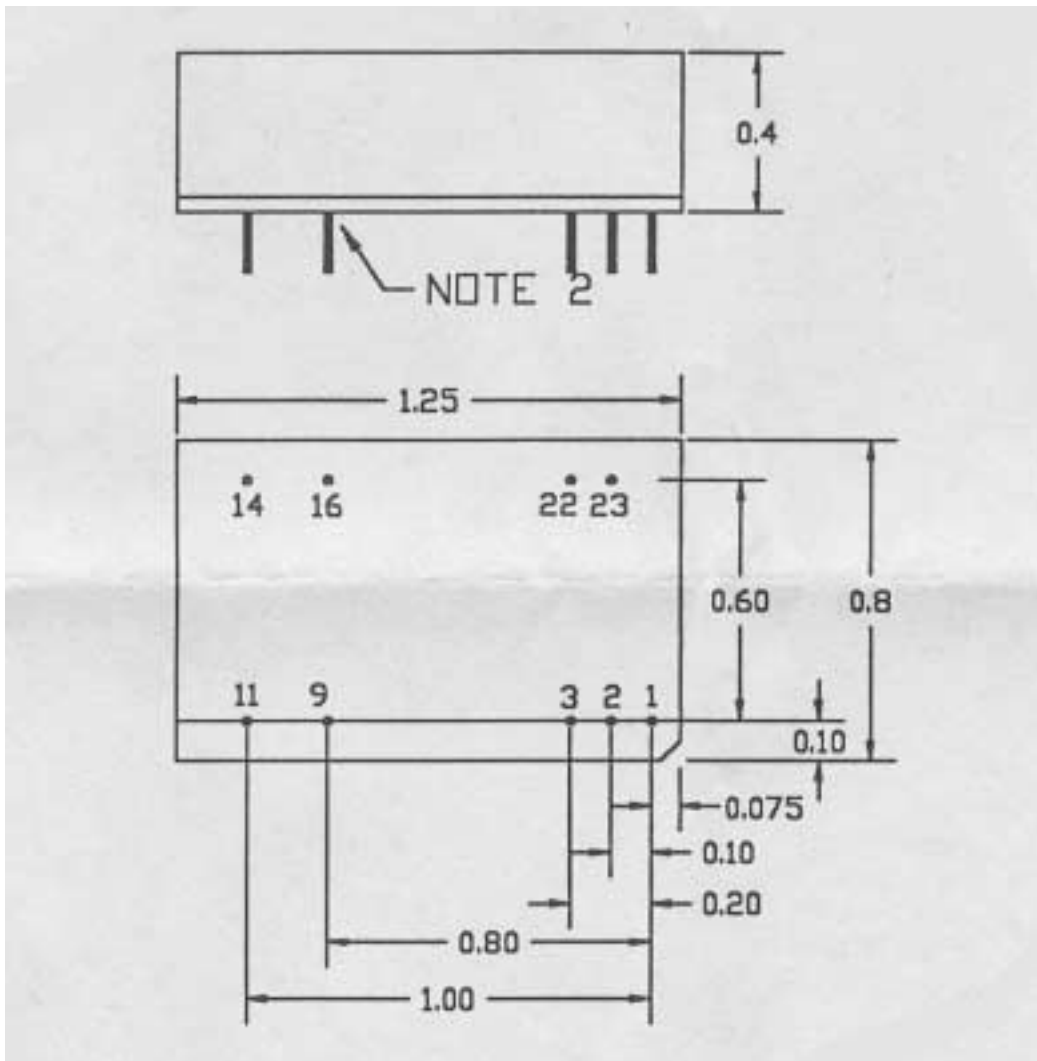
Shielding.....Five Sided
 Weight.....1.0 oz.
 Case Material.....Nickel-coated copper,
non-conductive baseplate
 Dimensions.....1.25 x 0.8 x 0.4"

*All specifications apply at +25°C ambient unless otherwise noted.
 Due to advances in technology, specifications subject to change without notice.*

Input Voltage (VDC)	Output Voltage	Output Current (VDC)	Efficiency (%) (mA)	Model Number
9-18	3.3	2000	80	LANC123.3W8
	5	1500	82	LANC1205W8
	12	666	83	LANC1212W8
	15	533	83	LANC1215W8
	±5	±800	83	LANC1205DW8
	±12	±333	84	LANC1212DW8
	±15	±267	84	LANC1215DW8
18.36	3.3	2000	81	LANC243.3W8
	5	1500	82	LANC2405W8
	12	666	83	LANC2412W8
	15	533	83	LANC2415W8
	±5	±800	83	LANC2405DW8
	±12	±333	84	LANC2412DW8
	±15	±267	84	LANC2415DW8
36-75	3.3	2000	81	LANC483.3W8
	5	1500	83	LANC4805W8
	12	666	84	LANC4812W8
	15	533	84	LANC4815W8
	±5	±800	83	LANC4805DW8
	±12	±333	85	LANC4812DW8
	±15	±267	85	LANC4815DW8

PIN CONNECTIONS

	Single	Duals
1	On/Off	On/Off
2, 3	-Vin	-Vin
9	NC	Common
10	No Pin	No Pin
11	NC	-Vout
14	+Vout	+Vout
15	No Pin	No Pin
16	-Vout	Common
22, 23	+Vin	+Vin

**NOTES:**

- 1) All case and pin dimensions are for reference only unless otherwise noted.
- 2) Pin size is 0.020" dia. or 0.010 x 0.020 rectangular pin x 0.15 long (min.) typical 9 places.
- 3) Pin to pin tolerance +/- 0.010". Pin diameter tolerance +/- 0.005".