LAN C-W SERIES - 5 WATTS

High Power Density, Dual In-Line Package

FEATURES

- Wide Input Voltage Range (2:1/ 4:1)
- Regulated Outputs
- Continuous Short Circuit Protection
- 1600VDC I/O Isolation
- Metallic case for five sided shielding
- Industry Standard DIP Package
- Pi-Input Filter

THE LAN C-W 5 WATT SERIES FROM WALL INDUSTRIES

The LANCW Series of DC/DC converters offers up to 5 Watts of output power. The LANCW Series is intended to provide power and isolation for applications requiring high power density.

SPECIFICATIONS: LAN C-W SERIES 5 WATTS

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

INPUT SPECIFICATIONS

Input Voltage Range.....9-18,18-36,36-75,9-36,18-75VDC
Nominal Input.....12,24,48VDC
Input Filter.....Pi-Input Filter

OUTPUT SPECIFICATIONS

Output Current.....See Table
Voltage Tolerance.....±2%
Line Regulation.....±0.2%
Load Regulation.....Singles: ±0.2%, Duals: ±1.0%
Ripple/Noise (20MHz BW).....50mV p-p typical
Short Circuit Protection.....Continuous
Over-Voltage Protection.....N/A

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

GENERAL SPECIFICATIONS

Efficiency (at full load).....80% typical
Isolation Voltage (input to output).....1600VDC min. or *1500VRMS
Isolation Resistance.....10^9 Ohms
Switching Frequency.....300kHz

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....-25 to +71°C
Storage Temperature.....-55 to +125°C
Case Temperature.....100°C max.
Humidity.....20% to 95% R.H. (non-condensing)
Cooling.....Free Air Convection
MTBF.....MIL217F 1.131×10^6 Hours

PHYSICAL SPECIFICATIONS

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

Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Efficiency (%)	Model Number
9-18	3.3	1000	76	LANC1233W5
	5	1000	78	LANC1205W5
	12	470	82	LANC1212W5
	15	400	81	LANC1215W5
	± 5	± 500	78	LANC1205DW5
	± 12	± 230	81	LANC1212DW5
	± 15	± 190	81	LANC1215DW5
18-36	3.3	1000	75	LANC2433W5
	5	1000	77	LANC2405W5
	12	470	82	LANC2412W5
	15	400	82	LANC2415W5
	± 5	± 500	80	LANC2405DW5
	± 12	± 230	84	LANC2412DW5
	± 15	± 190	82	LANC2415DW5
36-75	3.3	1000	74	LANC4833W5
	5	1000	79	LANC4805W5
	12	470	82	LANC4812W5
	15	400	81	LANC4815W5
	± 5	± 500	78	LANC4805DW5
	± 12	± 230	82	LANC4812DW5
	± 15	± 190	81	LANC4815DW5
9-36	3.3	1000	74	LANC2433UW5
	5	1000	75	LANC2405UW5
	12	470	80	LANC2412UW5
	15	400	80	LANC2415UW5
	± 5	± 500	78	LANC2405DUW5
	± 12	± 230	82	LANC2412DUW5
	± 15	± 190	80	LANC2415DUW5
18-75	3.3	1000	73	LANC4833UW5
	5	1000	77	LANC4805UW5
	12	470	80	LANC4812UW5
	15	400	79	LANC4815UW5
	± 5	± 500	76	LANC4805DUW5
	± 12	± 230	80	LANC4812DUW5
	± 15	± 190	79	LANC4815DUW5

**For 1500 VRMS, add "H" suffix*

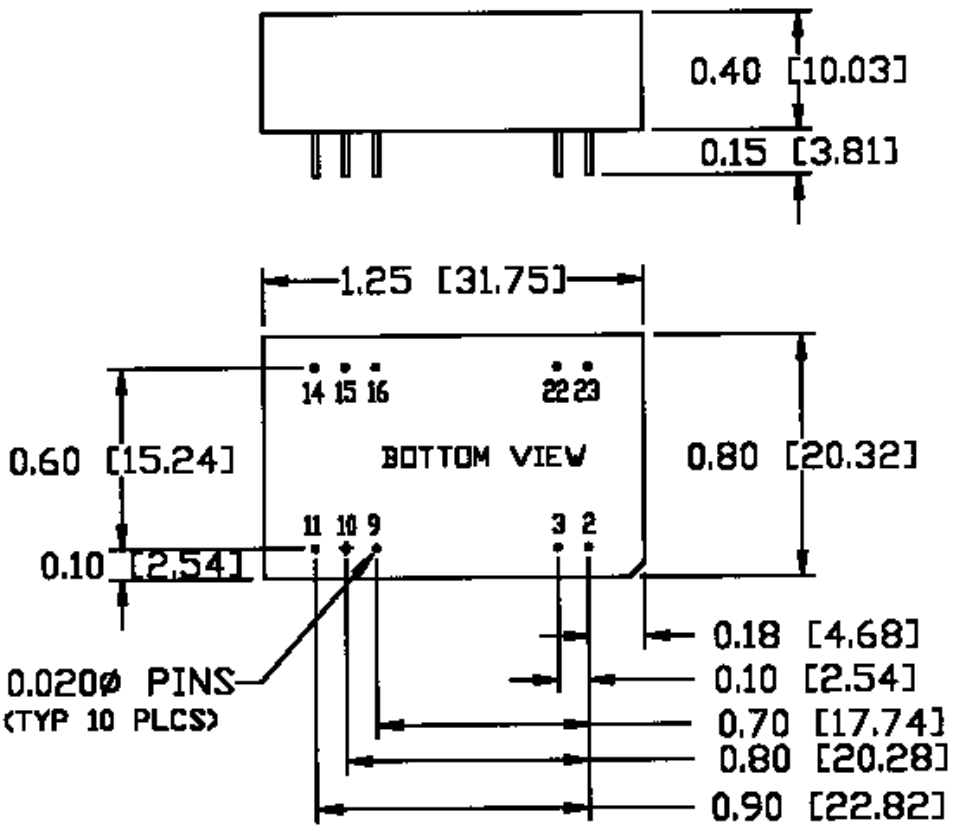
PIN CONNECTIONS

	Single	Dual
2, 3	- Vin	- Vin
9	NC	Common
10	NC	NC
11	NC	- Vout
14	+ Vout	+ Vout
15	NC	NC
16	- Vout	Common
22, 23	+ Vin	+ Vin

Note:

1. All case and pin-to-pin dimensions reference only unless otherwise noted.

2. 2:1 input, -40°C to +85°C
   and 4:1input, -40°C to +71°C
   operating temperature ranges
   available, add suffix "I".


0.40 [10.03]
0.15 [3.81]
1.25 [31.75]
14 15 16
22 23
BOTTOM VIEW
0.60 [15.24]
0.80 [20.32]
11 10 9
3 2
0.10 [2.54]
0.18 [4.68]
0.10 [2.54]
0.020ø PINS
(TYP 10 PLCS)
0.70 [17.74]
0.80 [20.28]
0.90 [22.82]

DIMS: IN [MM]