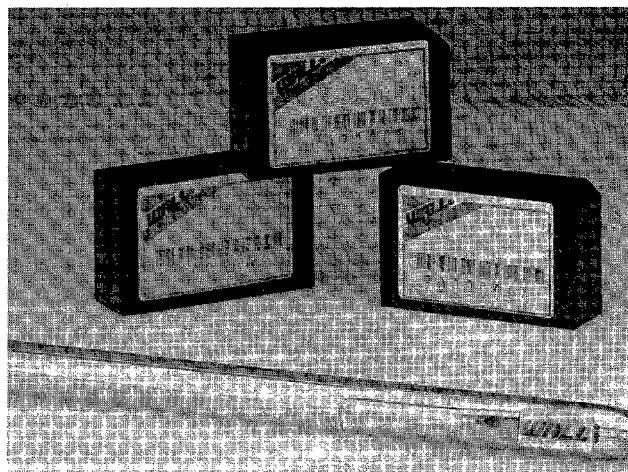


LAN C-W SERIES - UP TO 3 WATTS

Ultra-wide Input Range, Dual In-Line Package

FEATURES

- ◆ 2:1 and 4:1 Input Voltage Ranges
- ◆ Miniature Dual In-Line Package
- ◆ 500VDC I/O Isolation
- ◆ Single and Dual Outputs
- ◆ Regulated Outputs
- ◆ Five Year Warranty



THE LAN C-W SERIES FROM WALL INDUSTRIES

When lower power applications demand wider input voltage ranges to operate off batteries or multiple input voltages, the LAN C-W Series offers 'wide' 2:1 input, and LAN C-UW offers 'ultra-wide' 4:1 input voltage ranges to solve application challenges. Both these converters are fully regulated and housed in the industry standard 24-pin DIP package.

SPECIFICATIONS: LAN C-W SERIES

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

INPUT SPECIFICATIONS

Input Voltage Range4.5-6.0, 9-18, 18-36, 36-72,
.....9-36 and 20-72VDC

Input FilteringLC Network

OUTPUT SPECIFICATIONS

Output Currentsee table

Voltage Tolerance± 3% (nom. line, 100% load)

Line Regulation± 1%

Load Regulation± 1% (singles), ± 2% (duals)

Ripple/Noise (20MHz BW)0.5-1.0% of Vout (P-P)

Short Circuit ProtectionFold Back

GENERAL SPECIFICATIONS

Efficiency (at full load)65-70%

Isolation Voltage (input to output)500VDC

Switching Frequency25kHz min.

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature-25 to +71°C

Storage Temperature-55 to +100°C

CoolingFree air convection

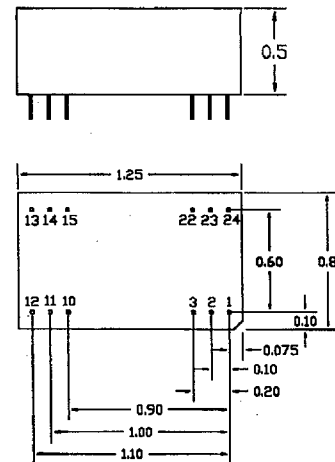
PHYSICAL SPECIFICATIONS

Dimensions:1.25 x 0.80 x 0.50"

Case MaterialNon-conductive black plastic

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

Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Model Number (SEE NOTES)
4.5-6	5	300	LANC505W
	12	125	LANC512W
	15	100	LANC515W
	± 5	150	LANC505DW
	± 12	60	LANC512DW
	± 15	50	LANC515DW
9-18	5	300	LANC1205W
	12	125	LANC1212W
	15	100	LANC1215W
	± 5	150	LANC1205DW
	± 12	60	LANC1212DW
	± 15	50	LANC1215DW
18-36	5	300	LANC2405W
	12	125	LANC2412W
	15	100	LANC2415W
	± 5	150	LANC2405DW
	± 12	60	LANC2412DW
	± 15	50	LANC2415DW
36-72	5	300	LANC4805W
	12	125	LANC4812W
	15	100	LANC4815W
	± 5	150	LANC4805DW
	± 12	60	LANC4812DW
	± 15	50	LANC4815DW
4.5-6	5	500	LAN505W3
	12	250	LANC512W3
	15	200	LANC515W3
	± 5	250	LANC505DW3
	± 12	125	LANC512DW3
	± 15	100	LANC515DW3
9-18	5	500	LANC1205W3
	12	250	LANC1212W3
	15	200	LANC1215W3
	± 5	250	LANC1205DW3
	± 12	125	LANC1212DW3
	± 15	100	LANC1215DW3
18-36	5	500	LANC2405W3
	12	250	LANC2412W3
	15	200	LANC2415W3
	± 5	250	LANC2405DW3
	± 12	125	LANC2412DW3
	± 15	100	LANC2415DW3
36-72	5	500	LANC4805W3
	12	250	LANC4812W3
	15	200	LANC4815W3



Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Model Number
9-36	5	300	LANC2405UW
	12	125	LANC2412UW
	15	100	LANC2415UW
20-72	5	300	LANC4805UW
	12	125	LANC4812UW
	15	100	LANC4815UW
9-36	5	500	LANC2405UW3
	12	250	LANC2412UW3
	15	200	LANC2415UW3
20-72	5	500	LANC4805UW3
	12	250	LANC4812UW3
	15	200	LANC4815UW3

PIN CONNECTIONS

	Single	Dual
1, 24	+Vin	+ Vin
2, 23	No Pin	-Vout
3, 22	No Pin	Common
10, 15	- Vout	Common
11, 14	+ Vout	+ Vout
12, 13	- Vin	- Vin

Notes:

1. LANCxxxxDUW: Dual Output ultra-wide input modules also available, see comparable LANCxxxxDW units for output current ratings.
2. All case and pin-to-case dimensions reference only unless otherwise noted.
3. All DC/DC converters should be externally fused on front end.