

TO 3 WATTS - LAN C SERIES

Single and Dual Output DIP Package

FEATURES

- Miniature Dual In-Line Package
- Two Levels of Isolation Available
- Low Reflected Ripple Current
- Regulated and Non-Regulated Versions
- Ripple/Noise: 50mV p-p typical

THE LAN C SERIES FROM WALL INDUSTRIES

Offering alternate combinations from four different input voltage ranges; nine different output voltages; regulated and non-regulated versions; two levels of isolation and three tiers of power, the LAN C Series of DC/DC converters can be tailor-made to fit most any low power conversion requirement.



SPECIFICATIONS: LAN C SERIES

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

INPUT SPECIFICATIONS

Input Voltage Range5, 12, 15, 24,48VDC ±10%
Input FilteringPi Network

OUTPUT SPECIFICATIONS

Output Current.....see table
Voltage Tolerance±5 (nom. line, 100% load)
Line Regulation: Non-Regulated±1.2%/ % of Vin%
Line Regulation: Regulated.....±1.0%
Load Regulation: Regulated(H option L & L = .5%)±1.0%
Load Regulation: Non-Regulated±8% (20% to 100% load)
Ripple/Noise (20MHz BW)50mV p-p
Short Circuit ProtectionShort Term

GENERAL SPECIFICATIONS

Efficiency (typical).....55 to 65%
Isolation Voltage (input to output)500VDC or 3000VDC
Switching Frequency.....20kHz (min.)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....-25° to 71°C
Storage Temperature-40° to +100°C
Cooling.....Free air convection

PHYSICAL SPECIFICATIONS

Dimensions: 500VDC I/O Isolation ..1.25 x 0.8 x 0.4"
Dimensions: 3000VDC I/O Isolation1.25 x 0.8 x 0.50"
Case Material.....Non-conductive black plastic
(3 watt models - painted metal)

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

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5VDC ±10% INPUT VOLTAGE RANGE			12VDC ±10% INPUT VOLTAGE RANGE			15VDC ±10% INPUT VOLTAGE RANGE			24VDC ±10% INPUT VOLTAGE RANGE		
Output Voltage (VDC)	Output Current (mA)	Model Number (SEE NOTES)	Output Voltage (VDC)	Output Current (mA)	Model Number (SEE NOTES)	Output Voltage (VDC)	Output Current (mA)	Model Number (SEE NOTES)	Output Voltage (VDC)	Output Current (mA)	Model Number (SEE NOTES)
5	300	LANC505R	5	300	LANC1205R	5	300	LANC1505R	5	300	LANC2405R
5	400	LANC505R2	5	400	LANC1205R2	5	400	LANC1505R2	5	400	LANC2405R2
5	600	LANC505R3	5	600	LANC1205R3	5	600	LANC1505R3	5	600	LANC2405R3
9	170	LANC509R	9	170	LANC1209R	9	170	LANC1509R	9	170	LANC2409R
9	250	LANC509R2	9	250	LANC1209R2	9	250	LANC1509R2	9	250	LANC2409R2
9	300	LANC509R3	9	300	LANC1209R3	9	300	LANC1509R3	9	300	LANC2409R3
12	125	LANC512R	12	125	LANC1212R	12	125	LANC1512R	12	125	LANC2412R
12	166	LANC512R2	12	166	LANC1212R2	12	166	LANC1512R2	12	166	LANC2412R2
12	250	LANC512R3	12	250	LANC1212R3	12	250	LANC1512R3	12	250	LANC2412R3
15	100	LANC515R	15	100	LANC1215R	15	100	LANC1515R	15	100	LANC2415R
15	133	LANC515R2	15	133	LANC1215R2	15	133	LANC1515R2	15	133	LANC2415R2
15	200	LANC515R3	15	200	LANC1215R3	15	200	LANC1515R3	15	200	LANC2415R3
24	65	LANC524R	24	65	LANC1224R	24	65	LANC1524R	24	65	LANC2424R
24	83	LANC524R2	24	83	LANC1224R2	24	83	LANC1524R2	24	83	LANC2424R2
24	125	LANC524R3	24	125	LANC1224R3	24	125	LANC1524R3	24	125	LANC2424R3
± 5	± 150	LANC505RD	± 5	± 150	LANC1205RD	± 5	± 150	LANC1505RD	± 5	± 150	LANC2405RD
±5	± 200	LANC505RD2	±5	±200	LANC1205RD2	±5	± 200	LANC1505RD2	±5	± 200	LANC2405RD2
±5	± 300	LANC505RD3	±5	± 300	LANC1205RD3	±5	± 300	LANC1505RD3	±5	± 300	LANC2405RD3
± 9	± 90	LANC509RD	± 9	± 90	LANC1209RD	± 9	± 90	LANC1509RD	± 9	± 90	LANC2409RD
±9	± 110	LANC509RD2	±9	± 110	LANC1209RD2	±9	± 110	LANC1509RD2	±9	± 110	LANC2409RD2
±9	± 165	LANC509RD3	±9	± 165	LANC1209RD3	±9	± 165	LANC1509RD3	±9	± 165	LANC2409RD3
±12	±60	LANC512RD	±12	±60	LANC1212RD	±12	±60	LANC1512RD	±12	±60	LANC2412RD
±12	± 83	LANC512RD2	±12	± 83	LANC1212RD2	±12	± 83	LANC1512RD2	±12	± 83	LANC2412RD2
± 12	±125	LANC512RD3	± 12	±125	LANC1212RD3	± 12	±125	LANC1512RD3	± 12	±125	LANC2412RD3
± 15	± 50	LANC515RD	± 15	± 50	LANC1215RD	± 15	± 50	LANC1515RD	± 15	± 50	LANC2415RD
±15	± 67	LANC515RD2	±15	± 67	LANC1215RD2	±15	± 67	LANC1515RD2	±15	± 67	LANC2415RD2
±15	± 100	LANC515RD3	±15	± 100	LANC1215RD3	±15	± 100	LANC1515RD3	±15	± 100	LANC2415RD3

PIN CONNECTIONS

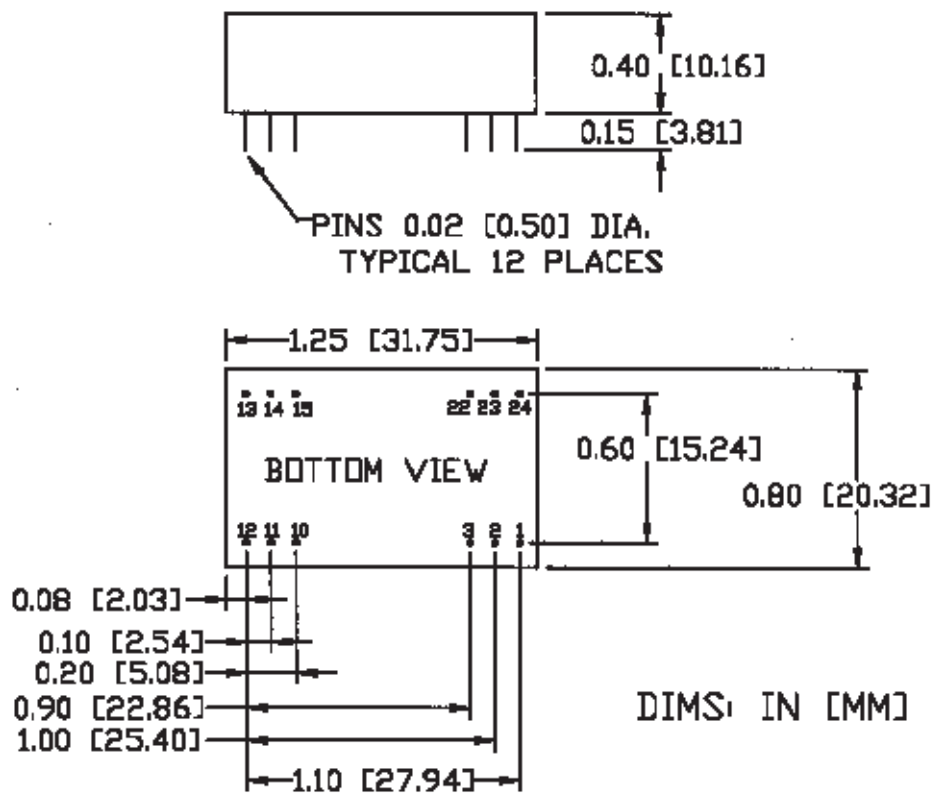
Isolation	500 VDC		3000 VDC*	
	Single	Dual	Single	Dual
Vin +	1, 24	1, 24	1, 2	1, 2
Vin -	12, 13	12, 13	23, 24	23, 24
Vout +	11, 14	11, 14	13	15
Common		3, 10, 15, 22		10, 11
Vout -	10, 15	2, 23	12	13
No Connect	2, 3 22, 23		10, 11 14, 15	12, 14
No Pins			3,22	3,22

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NOTES:

1. All parts are available in non-regulated versions, substitute "N" for "R" in part number to indicate non-regulated version.
2. Also available with 48VDC in. To specify, insert "48" in part number in place of input voltage .
3. All models available with 3000VDC I/O isolation. Add "H" onto end of part number for 3000VDC Input/Output isolation. Case height goes to 0.50".
4. All DC/DC Converters should be properly fused on front end for protection.

LAN C SERIES



all case and pin-to-case dimensions for reference only unless otherwise noted.