

**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
- Ripple/Noise: 50mV p-p typical
- 3KV isolation option

**THE LAN C SERIES FROM WALL INDUSTRIES**

Offering alternate combinations from four different input voltage ranges; nine different output voltages; 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 Range .....5, 12, 15, 24,48VDC  $\pm 10\%$   
Input Filtering .....Pi Network

**OUTPUT SPECIFICATIONS**

Output Current .....see table  
Voltage Tolerance ..... $\pm 5$  (nom. line, 100% load)  
Line Regulation: Regulated ..... $\pm 1.0\%$   
Load Regulation: Regulated(H option L & L = .5%) $\pm 1.0\%$   
Ripple/Noise (20MHz BW) .....50mV p-p  
Short Circuit Protection .....continuous

**GENERAL SPECIFICATIONS**

Efficiency (typical) .....55 to 65%  
Isolation Voltage (input to output)500VDC or 3000VDC  
Switching Frequency .....40kHz (min.)

**ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature .....-25° to 71°C  
Storage Temperature .....-40° to +125°C  
Cooling .....Free air convection

**PHYSICAL SPECIFICATIONS**

Dimensions: .....1.25 x 0.8 x 0.4"  
Case Material.....Non-conductive black plastic

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

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5VDC $\pm 10\%$ INPUT VOLTAGE RANGE			12VDC $\pm 10\%$ INPUT VOLTAGE RANGE			15VDC $\pm 10\%$ INPUT VOLT-AGE RANGE			24VDC $\pm 10\%$ 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
$\pm 5$	$\pm 150$	LANC505RD	$\pm 5$	$\pm 150$	LANC1205RD	$\pm 5$	$\pm 150$	LANC1505RD	$\pm 5$	$\pm 150$	LANC2405RD
$\pm 5$	$\pm 200$	LANC505RD2	$\pm 5$	$\pm 200$	LANC1205RD2	$\pm 5$	$\pm 200$	LANC1505RD2	$\pm 5$	$\pm 200$	LANC2405RD2
$\pm 5$	$\pm 300$	LANC505RD3	$\pm 5$	$\pm 300$	LANC1205RD3	$\pm 5$	$\pm 300$	LANC1505RD3	$\pm 5$	$\pm 300$	LANC2405RD3
$\pm 9$	$\pm 90$	LANC509RD	$\pm 9$	$\pm 90$	LANC1209RD	$\pm 9$	$\pm 90$	LANC1509RD	$\pm 9$	$\pm 90$	LANC2409RD
$\pm 9$	$\pm 110$	LANC509RD2	$\pm 9$	$\pm 110$	LANC1209RD2	$\pm 9$	$\pm 110$	LANC1509RD2	$\pm 9$	$\pm 110$	LANC2409RD2
$\pm 9$	$\pm 165$	LANC509RD3	$\pm 9$	$\pm 165$	LANC1209RD3	$\pm 9$	$\pm 165$	LANC1509RD3	$\pm 9$	$\pm 165$	LANC2409RD3
$\pm 12$	$\pm 60$	LANC512RD	$\pm 12$	$\pm 60$	LANC1212RD	$\pm 12$	$\pm 60$	LANC1512RD	$\pm 12$	$\pm 60$	LANC2412RD
$\pm 12$	$\pm 83$	LANC512RD2	$\pm 12$	$\pm 83$	LANC1212RD2	$\pm 12$	$\pm 83$	LANC1512RD2	$\pm 12$	$\pm 83$	LANC2412RD2
$\pm 12$	$\pm 125$	LANC512RD3	$\pm 12$	$\pm 125$	LANC1212RD3	$\pm 12$	$\pm 125$	LANC1512RD3	$\pm 12$	$\pm 125$	LANC2412RD3
$\pm 15$	$\pm 50$	LANC515RD	$\pm 15$	$\pm 50$	LANC1215RD	$\pm 15$	$\pm 50$	LANC1515RD	$\pm 15$	$\pm 50$	LANC2415RD
$\pm 15$	$\pm 67$	LANC515RD2	$\pm 15$	$\pm 67$	LANC1215RD2	$\pm 15$	$\pm 67$	LANC1515RD2	$\pm 15$	$\pm 67$	LANC2415RD2
$\pm 15$	$\pm 100$	LANC515RD3	$\pm 15$	$\pm 100$	LANC1215RD3	$\pm 15$	$\pm 100$	LANC1515RD3	$\pm 15$	$\pm 100$	LANC2415RD3

**NOTE:**

For 3KV isolation add suffix "H" to part number ("H" suffix not available for 3 watt models)

**PIN CONNECTIONS**

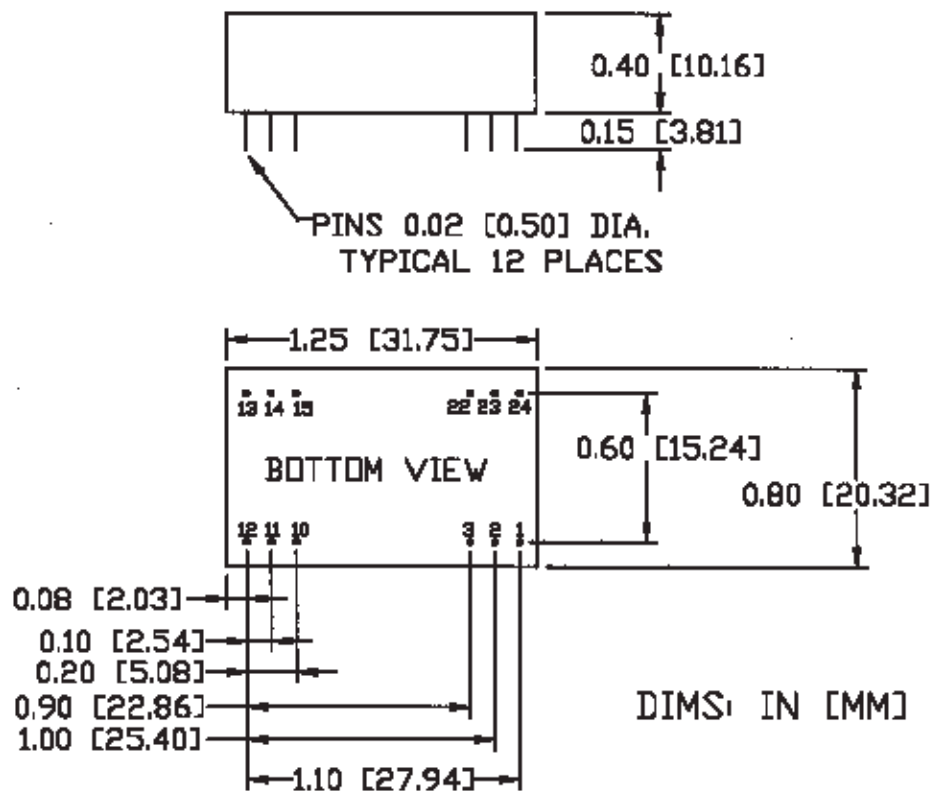
Isolation	500 VDC		3000 VDC*	
	Single	Dual	Single	Dual
Vin +	1, 24	1, 24	1, 2	1, 2
Vin -	12, 13	12, 13	23, 24	23, 24
Vout +	11, 14	11, 14	13	15
Common		3, 10, 15, 22		10, 11
Vout -	10, 15	2, 23	12	13
No Connect	2, 3 22, 23		10, 11 14, 15	12, 14
No Pins			3,22	3,22

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**NOTES:**

1. Also available with 48VDC in. To specify, insert "48" in part number in place of input voltage.
2. 2 watt models available with 3000VDC I/O isolation. Add "H" onto end of part number for 3000VDC Input/Output isolation. This feature is not available for 3 watt models
3. 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.*