

## TO 2.25 WATTS - LAN B SERIES

24 Pin DIP for LAN Applications

### FEATURES

- Available in Both Surface Mount and Through-Hole Package / Pin-out
- 500VDC I/O Isolation
- Single and Dual Outputs
- Regulated and Non-Regulated Versions



### THE LAN B SERIES FROM WALL INDUSTRIES

Whether your board requires an SMT or through-hole version DC/DC converter, the LANB provides power and isolation for local area network (LAN) transceiver chips. The LANB Series is intended for Ethernet, Cheapernet or Starlan local area network application.

#### SPECIFICATIONS: LAN B SERIES

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

##### INPUT SPECIFICATIONS

Input Voltage Range ..... 5,12VDC  $\pm$ 10%  
 Input Filter ..... Pi-Input Filter

##### OUTPUT SPECIFICATIONS

Output Current ..... See Table  
 Voltage Tolerance .....  $\pm$ 5%  
 Line Regulation: Non-Regulated .....  $\pm$ 1.3%/V In  
   Regulated .....  $\pm$ 0.3  
 Load Regulation: Non-Regulated .....  $\pm$ 10%  
   Regulated .....  $\pm$ 0.5%  
 Ripple/Noise (20MHz BW) ..... 50mV p-p  
 Short Circuit Protection ..... Continuous

#### GENERAL SPECIFICATIONS

Efficiency (Regulated) ..... 50% typical  
   (Unregulated) ..... 70% typical  
 Isolation Voltage (input to output) ..... 500VDC  
 Switching Frequency ..... 20kHz min.

#### ENVIRONMENTAL SPECIFICATIONS

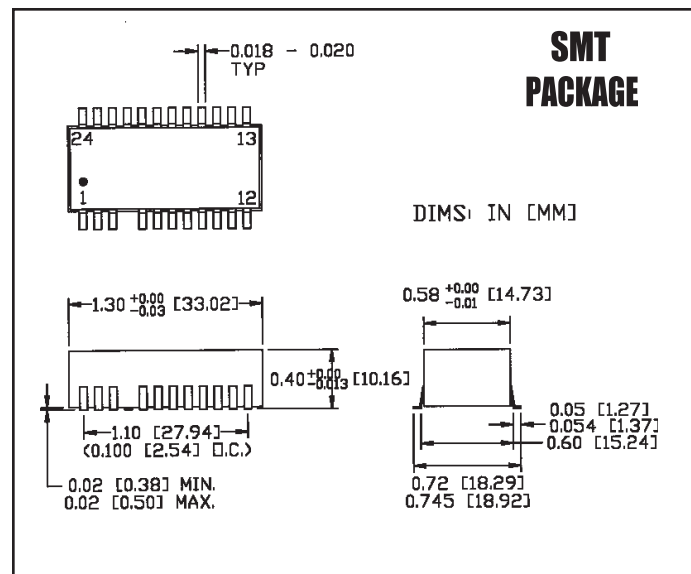
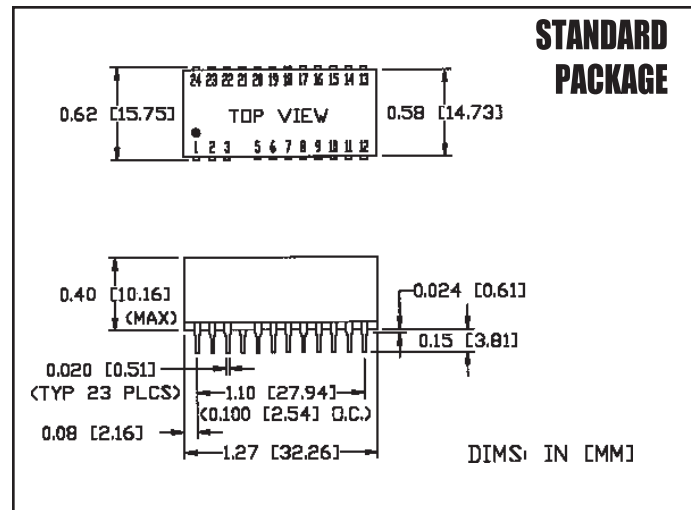
Operating Temperature ..... 0 to +85°C (case)  
 Storage Temperature ..... -25° to +125°C  
 Humidity ..... 20%-95% RH (non-condensing)  
 Cooling ..... Free Air Convection

#### PHYSICAL SPECIFICATIONS

Dimensions ..... 1.3 x 0.58 x 0.4  
 Case Material ..... Non-metallic  
 Weight ..... 0.32oz

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

Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)	Regulated or Non-Reg.(SEE NOTES)	Model Number
5	5	360	R	LANB505R
5	9	170	R	LANB509R
5	9	200	N	LANB509N
5	12	125	R	LANB512R
5	12	150	N	LANB512N
5	15	100	R	LANB515R
5	15	120	N	LANB515N
5	±5	180	N	LANB505ND
5	±12	75	R	LANB512RD
5	±15	60	N	LANB515ND
12	5	360	R	LANB1205R
12	9	200	R	LANB1209R
12	9	250	N	LANB1209N
12	12	125	R	LANB1212R
12	12	150	N	LANB1212N
12	15	100	R	LANB1215R
12	±12	75	R	LANB1212RD
12	±15	60	N	LANB1215ND



### PIN CONNECTIONS

	Single	Dual
1 & 24	+ Vin	+ Vin
12 & 13	- Vin	- Vin
11 & 14	+ Vout	+ Vout
10 & 15	- Vout	
2 & 23		- Vout
3, 10, 15, 22		Common

### NOTES:

1. Add "SMT" to end of part number to indicate SMT package.
  2. All case and pin-to-case dimensions reference only unless otherwise noted.
  3. Highly isolated 2000V rms available consult factory.
- \*Due to advances in technology, specifications are subject to change without notice.

## COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001: 2015 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

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