

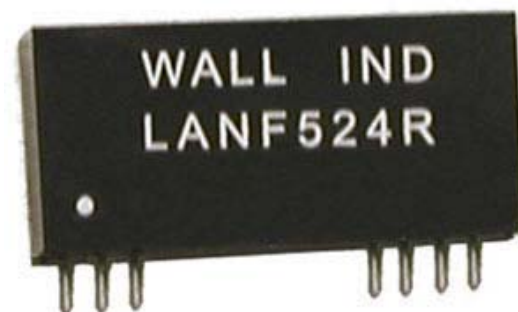


Wall Industries, Inc.

LAN F SERIES
Up to 1.8 Watts
DC/DC Converter
Single and Dual Output

FEATURES

- Low Ripple and Noise
- Single and Dual Output
- Ultra Miniature SIP: 12 Pin
- RoHS Approved Type Available
- Regulated and Non-Regulated Versions Available
- Two Levels of I/O Isolation Available: 500VDC or 3KVDC



SPECIFICATIONS: LAN F Series

All specifications apply @ $\pm 25^{\circ}\text{C}$ ambient unless otherwise noted

INPUT SPECIFICATIONS

Input Voltage Range 5V nom. input 4.5 – 5.5VDC
12V nom. input 10.8 – 13.2VDC
15V nom. input 13.5 – 16.5VDC
24V nom. input 21.6 – 26.4VDC

Input Filter Pi Network.

OUTPUT SPECIFICATIONS

Output Current see table

Output Voltage see table

Voltage Tolerance (nom. Line 100% load) $\pm 5\%$

Line Regulation

Regulated $\pm 0.5\%$ max.

Non-Regulated $\pm 1.2\%$ of V_{in}

Load Regulation

Regulated $\pm 0.5\%$

Non-Regulated (load 20% to 100%) $\pm 10\%$

Ripple/Noise (20 MHz BW) 50mVp-p max.

PROTECTION

Short Circuit Protection Continuous

GENERAL SPECIFICATIONS

Efficiency

Regulated 55 to 65% typ.

Non-Regulated 70 to 75% typ.

Switching Frequency 20KHz min.

Isolation Voltage (input to output) 500VDC or 3000VDC

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature -25°C to $+71^{\circ}\text{C}$

Storage Temperature -40°C to $+100^{\circ}\text{C}$

Cooling Free air convection

PHYSICAL SPECIFICATIONS

Dimensions 1.25(L) x 0.34(W) x 0.57(H) inches

Case Material Non-conductive black plastic

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



Wall Industries, Inc.

LAN F SERIES
Up to 1.8 Watts
DC/DC Converter
Single and Dual Output

OUTPUT VOLTAGE / CURRENT RATING CHART

Model (See Note 2)	Input Voltage Range	Output Voltage	Output Current
LANF505N	5 VDC 4.5 – 5.5 VDC	5 VDC	300 mA
LANF509N		9 VDC	170 mA
LANF512N		12 VDC	125 mA
LANF515N		15 VDC	100 mA
LANF524N		24 VDC	65 mA
LANF505ND		±5 VDC	100 mA
LANF512ND		±12 VDC	60 mA
LANF515ND		±15 VDC	50 mA
LANF1205N	12 VDC 10.8 – 13.2 VDC	5 VDC	300 mA
LANF1209N		9 VDC	170 mA
LANF1212N		12 VDC	125 mA
LANF1215N		15 VDC	100 mA
LANF1224N		24 VDC	65 mA
LANF1205ND		±5 VDC	100 mA
LANF1212ND		±12 VDC	60 mA
LANF1215ND		±15 VDC	50 mA
LANF1505N	15 VDC 13.5 – 16.5 VDC	5 VDC	300 mA
LANF1509N		9 VDC	170 mA
LANF1512N		12 VDC	125 mA
LANF1515N		15 VDC	100 mA
LANF1524N		24 VDC	65 mA
LANF1505ND		±5 VDC	100 mA
LANF1512ND		±12 VDC	60 mA
LANF1515ND		±15 VDC	50 mA
LANF2405N	24 VDC 21.6 – 26.4 VDC	5 VDC	300 mA
LANF2409N		9 VDC	170 mA
LANF2412N		12 VDC	125 mA
LANF2415N		15 VDC	100 mA
LANF2424N		24 VDC	65 mA
LANF2405ND		±5 VDC	100 mA
LANF2412ND		±12 VDC	60 mA
LANF2415ND		±15 VDC	50 mA

NOTES

1. All case and pin-to-case dimensions reference only unless otherwise noted.
2. All LANF models can be regulated, substitute "R" for "N" in last digits of part number (Ex: LANF2415R).
3. Add "H" onto the end of LANF part number for 3000VDC isolation (Ex: LANF2415NH).
4. For RoHS type add the suffix "-NL" to part number (Ex: LANF2415N-NL).

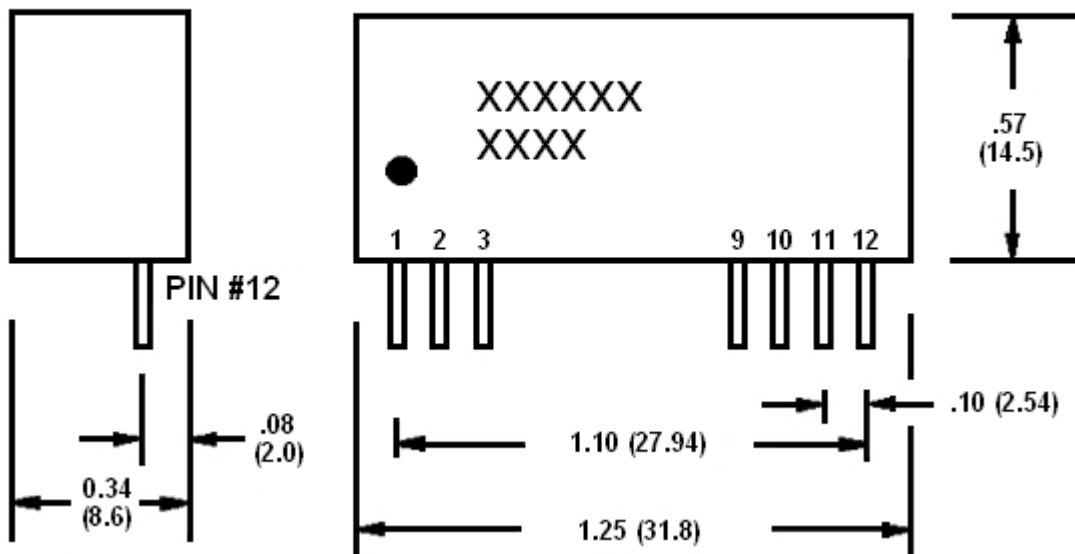


Wall Industries, Inc.

LAN F SERIES
Up to 1.8 Watts
DC/DC Converter
Single and Dual Output

MECHANICAL DRAWINGS

Unit: inch (mm)



PIN CONNECTION		
PIN	SINGLE OUTPUT	DUAL OUTPUT
1	+INPUT	+INPUT
2	NC	-OUTPUT
9	NC	NC
10	-OUTPUT	COM
11	+OUTPUT	+OUTPUT
12	-INPUT	-INPUT