

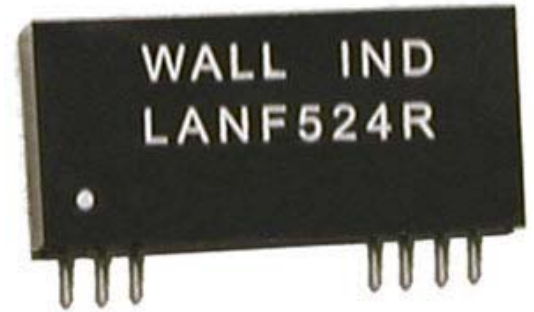


Wall Industries, Inc.

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 @ ±25°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)	±5%
Line Regulation	
Regulated	±0.5% max.
Non-Regulated	±1.2%/ % of Vin
Load Regulation	
Regulated	±0.5%
Non-Regulated (load 20% to 100%)	±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°C

Storage Temperature -40°C to +100°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



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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
LAN5515N		15 VDC	100 mA
LANF524N		24 VDC	65 mA
LANF505ND		±5 VDC	100 mA
LANF512ND		±12 VDC	60 mA
LAN5515ND		±15 VDC	50 mA
LANF1205N		12 VDC 10.8 – 13.2 VDC	5 VDC
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
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
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).

