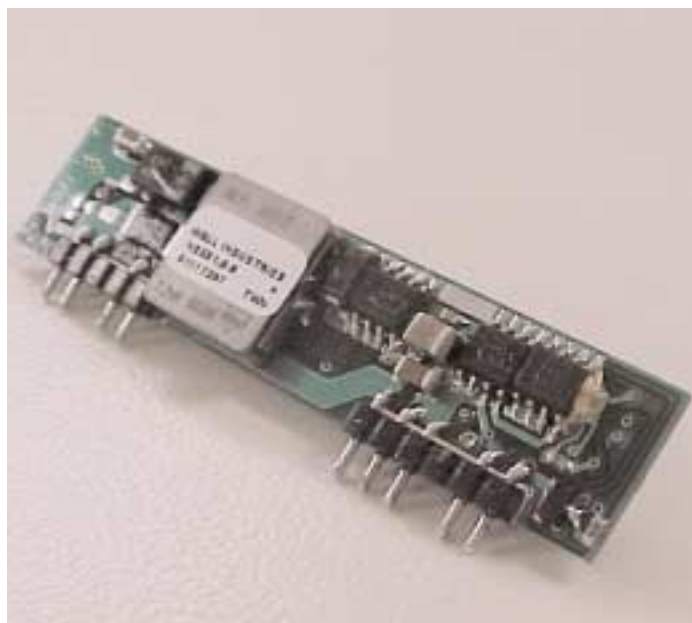


PRODUCT FEATURES

- Compact Single-in-Line Package (SIP)
- Industry Standard Footprint
- High Efficiency
- Adjustable Output Voltage
- Remote On/Off
- Ten Year Warranty
- Thermal Shutdown/Auto Recovery

THE NS SERIES FROM WALL INDUSTRIES

The NS Series offers the designer cost effective conversion from 5V to 3.3V and lower, in a convenient footprint. This allows greater flexibility without redesign of existing architecture.



SPECIFICATIONS: NS SERIES

Input Specifications

Input Voltage Range.....	4.5-5.5VDC
Nominal Input.....	5VDC
Input Voltage Lockout.....	Vin<3.5VDC
Input Filter.....	100mf, ESR <.045 Ohms
Input Reflected Ripple.....	200 mA Typ.
Remote On/Off.....	Ref. to Ground

Output Specifications

Set Point Accuracy.....	Vin=5.0V; Io=6A; TA=25°C, ±1% of Vout
Output Current.....	See Table
Line Regulation(LL-HL).....	±0.5%
Load Regulation.....	±0.5%
Ripple	100mVp-p, 20mHZ B.W.
Trim.....	±10%

General Specifications

Efficiency.....	86% @ 3.3V typical
Isolation Voltage.....	Non Isolated
Isolation Resistance.....	N/A
Switching Frequency.....	500kHz Typical
Minimum Load.....	3.3 No Min. Load
	2.5, 1.5 Consult Factory

Environmental Specifications

Operating Temperature.....	-40° to +70°C
Storage Temperature.....	-40°C to +125°C
Temperature Coefficient.....	0.02% per °C
Transient Response.....	±2% with 300m sec. Recovery

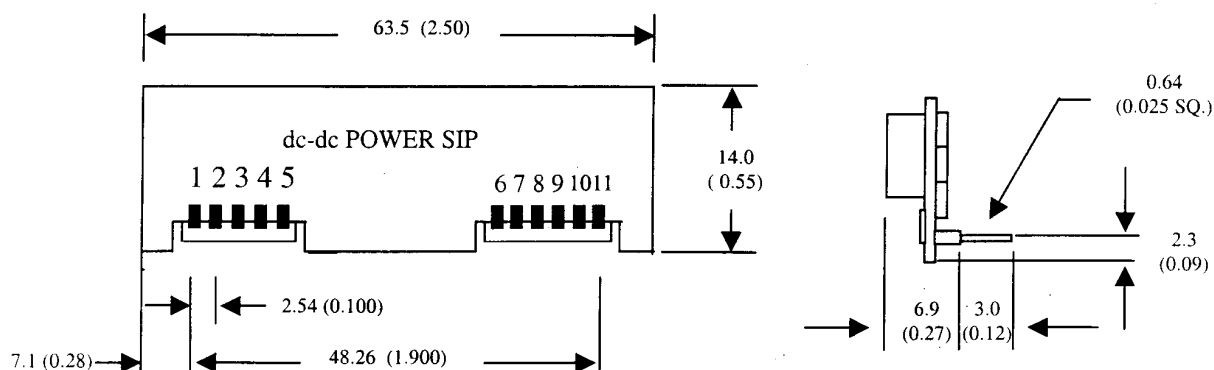
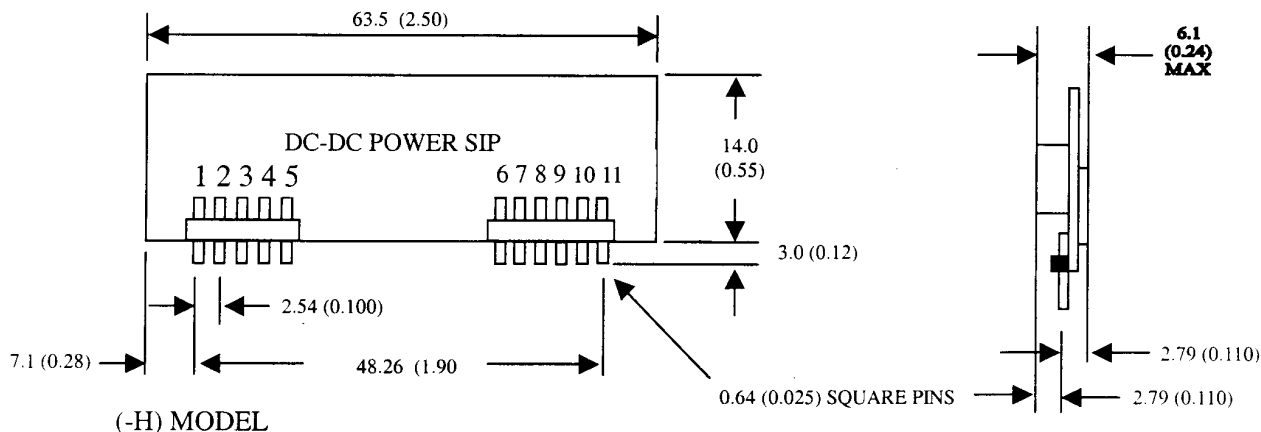
Physical Specifications

Package size.....	2.50" X 0.55" X 0.24"
Weight.....	0.25 oz.
Case Material.....	Open Frame

All specifications apply at +25°C ambient unless otherwise noted. Due to advances in technology, specifications subject to change without notice.

Input Voltage	Output Voltage	Current Amps	Output Current Wattage	Model Number
4.5-5.5	3.3	6	19.8	NS5S3.3-20
	2.5	6	15	NS5S2.5-15
	2.1	6	12.6	NS5S2.1-12
	1.8	6	10.8	NS5S1.8-11
	1.5	6	7.5	NS5S1.5-9

NOTE: add suffix "RS" for optional remote sense



J1 PIN CONNECTIONS

1	+Vout
2	+Vout
3	Opt. Remote Sense (+)
4	+Vout
5	Ground

J2 PIN CONNECTIONS

1	Ground
2	+Vin
3	+Vin
4	No Pin
5	Trim
6	Remote ON/OFF

Option without Capacitors
on Back Side

Notes:

1. Auto off power train protection.
2. Measured with a 0.1uF across output.
3. Application notes on Thermal Management and External Trim available, consult factory.
4. All dimensions are for reference only unless otherwise noted.