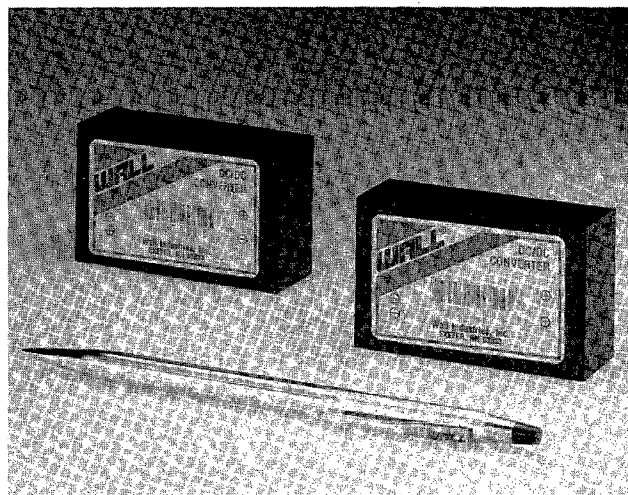


## Up To 5 WATTS -H SERIES

High Voltage Output to 3000VDC

## FEATURES

- ◆ 5000VDC Input/Output Isolation 1
- ◆ High Efficiency
- ◆ Output voltage proportional to input voltage
- ◆ High Output Voltage
- ◆ MTBF of  $1.375 \times 10^6$  hours
- ◆ Up to Five Watt Capability
- ◆ Five Year Warranty



## THE H SERIES FROM WALL INDUSTRIES

The H Series offers high voltage with high input/output isolation (5000VDC) in a compact package (1.5 x 2.4 x 0.80"). Features of the H Series include 70% typical efficiency, up to 5 watts output power, reduced ripple/noise (<2% Vout), LC input filter and extended operating temperature range.

## SPECIFICATIONS: H SERIES

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

## INPUT SPECIFICATIONS

Input Voltage Range .....4-12VDC  
 Input Filter.....LC network

## OUTPUT SPECIFICATIONS

Output Current .....see table  
 Ripple/Noise .....≤ 2% of Vout at nominal Vin/Full load  
 Output Voltage Tolerance .....± 20%

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

## GENERAL SPECIFICATIONS

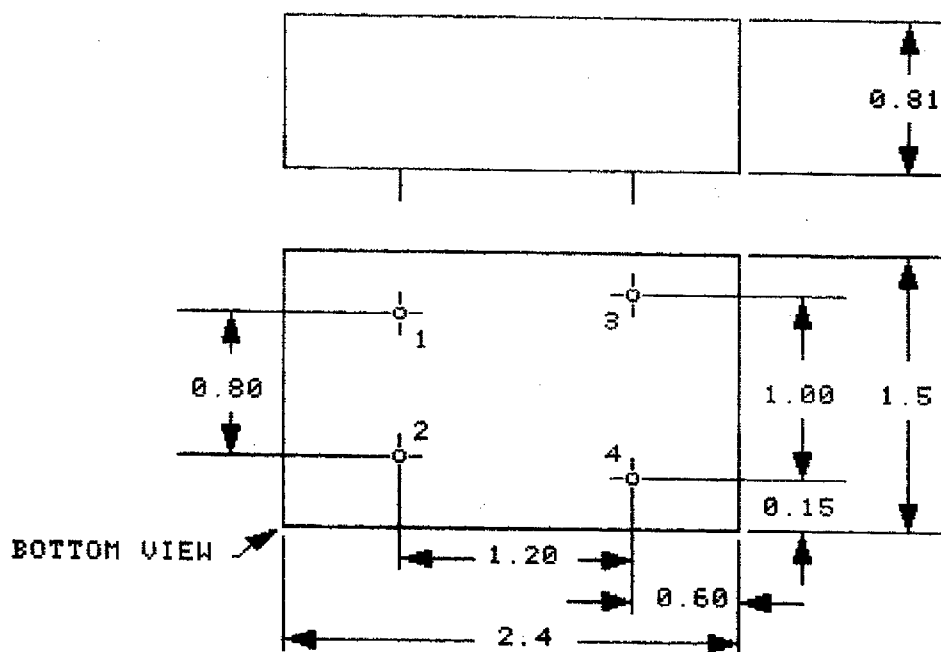
Efficiency .....70% typical  
 Isolation Voltage (input to output).....5000VDC  
 Isolation Resistance, input to output .....1000MΩ  
 Switching Frequency .....60kHz typical

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature .....-20 to +85°C (case)  
 Storage Temperature .....-55 to +100°C  
 Humidity (non-condensing) .....20% to 95% R.H.

## PHYSICAL SPECIFICATIONS

Dimensions: .....1.5 x 2.4 x 0.81"  
 Weight .....2.5 oz.  
 Case Material .....Non-metallic case



| Input Voltage (VDC) | Output Voltage (VDC) | Output Current (mA) | Output Power (Watts) | Model Number |
|---------------------|----------------------|---------------------|----------------------|--------------|
| 4 to 12             | 333-1000             | 3.0                 | 3                    | H10          |
|                     |                      | 5.0                 | 5                    | H11          |
|                     | 500-1500             | 2.0                 | 3                    | H15          |
|                     |                      | 3.33                | 5                    | H16          |
|                     | 666-2000             | 1.5                 | 3                    | H20          |
|                     |                      | 2.5                 | 5                    | H21          |
|                     | 1000-3000            | 1.0                 | 3                    | H30          |
|                     |                      | 1.66                | 5                    | H31          |

## PIN CONNECTIONS

|   | Single |
|---|--------|
| 1 | + Vin  |
| 2 | - Vin  |
| 3 | - Vout |
| 4 | + Vout |

Notes:

1. All case and pin-to-case dimensions reference only unless otherwise noted.
2. PC Pins: 0.04" diameter x 0.18" long (min.); typical four places.
3. Pin to pin tolerance:  $\pm 0.01"$ . Pin diameter tolerance:  $\pm 0.005"$ .
4. Output voltage is proportional to input voltage. For example: H10 - when  $V_{in}=4VDC$ ,  $V_{out}=333VDC$  at 3mA.