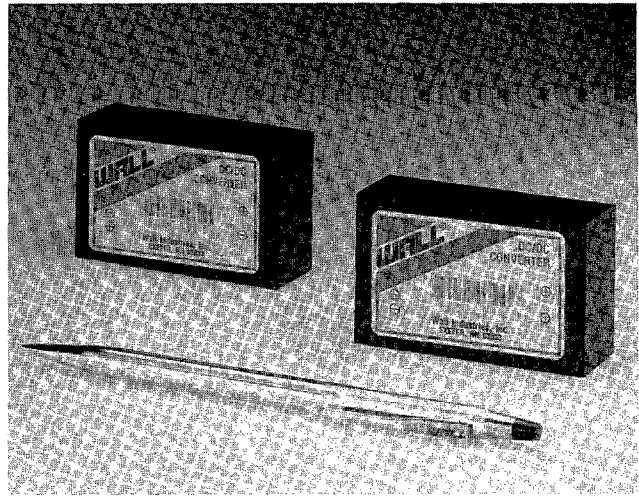


Up To 5 WATTS - H SERIES

High Voltage Output to 3000VDC

FEATURES

- ◆ 5000VDC Input/Output Isolation 1
- ◆ High Efficiency
- ◆ Output voltage proportional to input voltage
- ◆ High Output Voltage
- ◆ MTBF of 1.375×10^6 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 Range4-12VDC
 Input FilterLC network

OUTPUT SPECIFICATIONS

Output Currentsee table
 Ripple/Noise $\leq 2\%$ of Vout at nominal Vin/Full load
 Output Voltage Tolerance $\pm 20\%$

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

GENERAL SPECIFICATIONS

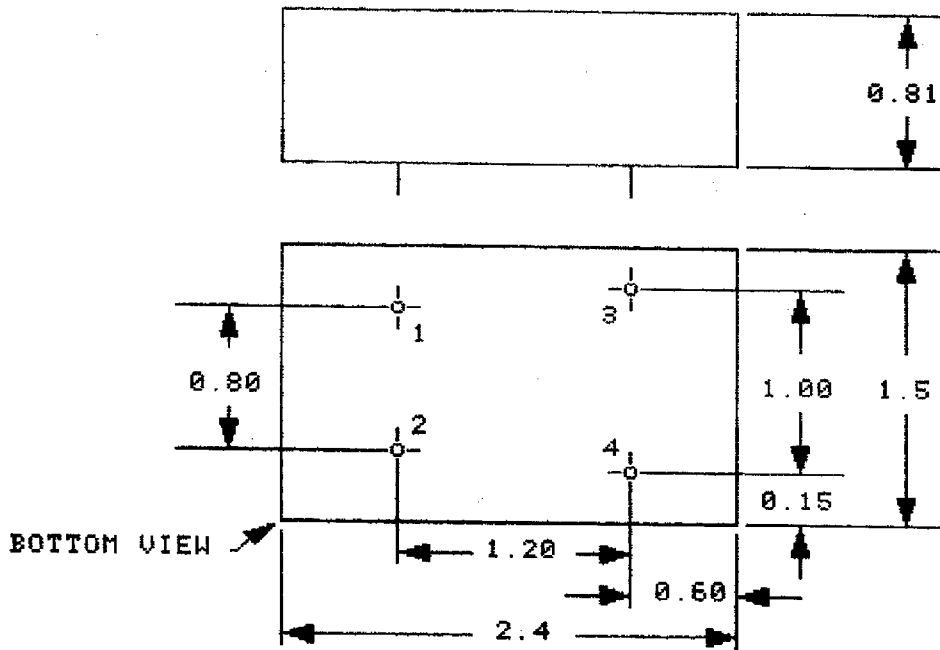
Efficiency70% typical
 Isolation Voltage (input to output)5000VDC
 Isolation Resistance, input to output1000M Ω
 Switching Frequency60kHz typical

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"
 Weight2.5 oz.
 Case MaterialNon-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.