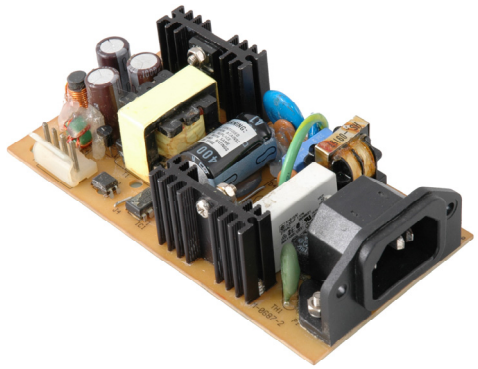
H HiTRON

UNIVERSAL INPUT AC-DC PCB OPEN FRAME SINGLE OUTPUT 10-25 WATTS INTERNAL SWITCHING POWER SUPPLIES HVI20 SERIES



FEATURES:

- **ACCOMMODATE UNIVERSAL AC SOURCES**
- **MEET UNIVERSAL SAFETY STANDARDS**
- **EMI MEET CISPR PUB. 22 & FCC CLASS B**
- **CE MARKING COMPLIANCE**

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Range typ. 90-264Vac.
Rating 100-240Vac.

Input Connector: IEC320-3P DT7.

Input Frequency: 47-63Hz.

Inrush Current: Typ. 25A @ 230Vac.

Input Current: Typ. 0.47A @ 115Vac, 0.21A @ 230Vac.

Dielectric Withstand: Meet IEC 60950-1.

EMI: Meet CISPR PUB. 22 & FCC Class B.

Hold-up Time: Typ. 10.0mS @ 115Vac, 40.0mS@ 230Vac.

Earth Leakage: Less than 0.7mA @ 230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: Typ. 20 Watts.
Output Connector: Molex 5273.
Line Regulation: Typ. 0.1%.
Load Regulation: Typ. ±1.0%.
Noise & Ripple: Typ. 1.0% peak to peak.
OVP: Built-in at main VO1 only.
Adjustability: Not adjustable.
Overload Protection (OLP):
Fully protected against output overload and short circuit.
OLP set at about 125-150% rating output wattage.
Consult the factory for OLP setting.

GENERAL SPECIFICATION

Efficiency: Typ. 70-75%
Switching Frequency: 40K Hz.
Circuit Topology: Fixed Frequency Flyback circuit.
Transient Response: Output voltage returns in less than 3mS following a 25% load change.
Safety Standard: IEC 60950-1/UL 60950-1 Class I.

Operating Temperature: 0 to +50 °C.
Storage Temperature: -20 to +85 °C.
Temperature Coefficient: Typ. 0.04%/ °C.
Cooling: Free air convection.
Construction: PCB open frame format.
Power Density: 1.79Watts / Cubic Inch.

Note: Due to requests in market and advances in technology, specifications subject to change without notification.

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TÜV Rheinland BAUART GEPRÜFT TYPE APPROVED

CE

For the details of safety approval, please consult the factory.

OUTPUT VOLTAGE / CURRENT RATINGS CHART

SINGLE OUTPUT

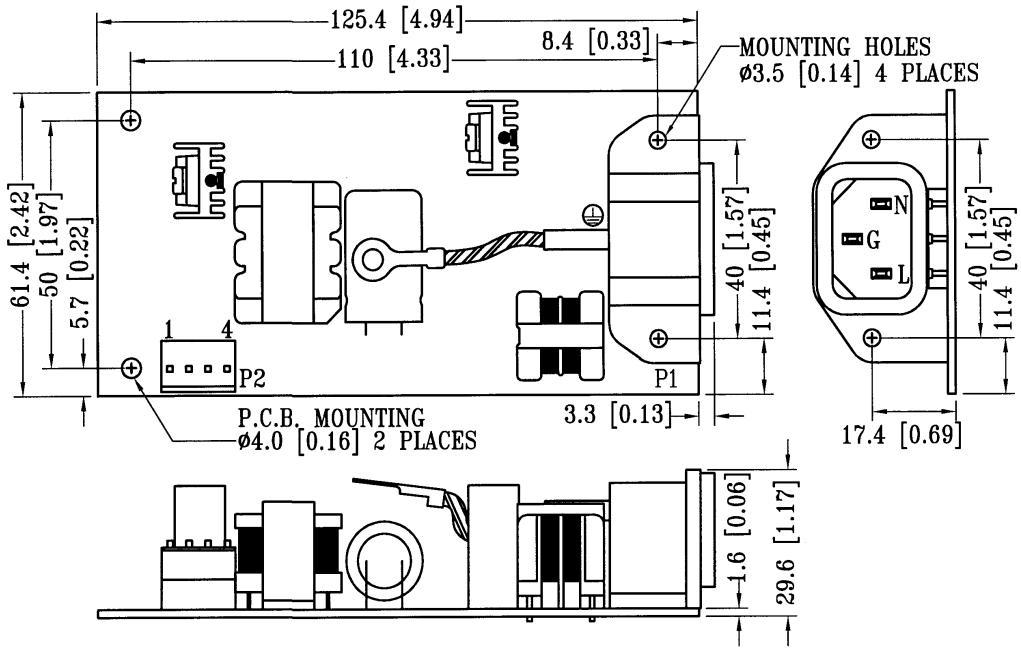
MODEL NO	MAIN VO1★		
	Typ.	**Volt.**	Peak
HVI20-10A	2.0A	**5V**	2.5A
HVI20-10B	3.0A	**5V**	3.5A
HVI20-10C	4.0A	**5V**	4.5A
HVI20-10D	5.0A	**5V**	5.5A

Symbol: "★" OVP built-in.

Remark: (1) At least 20% of typical main output current is required to maintain stated regulation.
(2) Peak output, less than 60 Sec. with 10% duty cycle.

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 132.5g (4.7 Oz.)



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT

	AC INPUT			SINGLE OUTPUT	
ASSIGNMENT	**AC-LINE**	**AC-NEUTRAL**	**AC-GROUND**	**VO1**	**DC COM**
CONNECTOR & PIN #	P1- L	P1- N	P1- G	P2-1,2	P2-3,4

Mating connector: P2 Molex 5195 or 5239 series.