

International Power Sources, Inc.

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DC/DC Converters



WH Series: 7.5 Watt Wide Input Range

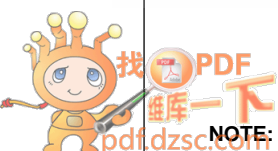
FEATURES

- 2:1 Input Range
- Isolated Outputs
- Efficiency to 81%
- 100kHz Switching Frequency
- Overvoltage Protection
- Input π Filter
- Fully Regulated Outputs
- Six-sided Shield
- PCB Mountable
- Short Circuit Protection

MODELS CHART

MODEL NUMBER	INPUT VOLTAGE RANGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF
				NO LOAD	FULL LOAD	
WH101	9-18VDC	5VDC	1500mA	46mA	810mA	77
WH102	9-18VDC	12VDC	625mA	46mA	786mA	79
WH103	9-18VDC	15VDC	500mA	46mA	786mA	79
WH104	9-18VDC	± 12 VDC	± 310 mA	30mA	785mA	79
WH105	9-18VDC	± 15 VDC	± 250 mA	60mA	790mA	79
WH201	18-36VDC	5VDC	1500mA	50mA	400mA	78
WH202	18-36VDC	12VDC	625mA	50mA	384mA	81
WH203	18-36VDC	15VDC	500mA	50mA	384mA	81
WH204	18-36VDC	± 12 VDC	± 310 mA	40mA	385mA	81
WH205	18-36VDC	± 15 VDC	± 250 mA	40mA	385mA	81
WH301	36-72VDC	5VDC	1500mA	36mA	198mA	79
WH302	36-72VDC	12VDC	625mA	36mA	198mA	79
WH303	36-72VDC	15VDC	500mA	42mA	198mA	79
WH304	36-72VDC	± 12 VDC	± 310 mA	30mA	195mA	80
WH305	36-72VDC	± 15 VDC	± 250 mA	30mA	195mA	80

NOTE: NOMINAL INPUT VOLTAGE 12, 24, OR 48 VDC

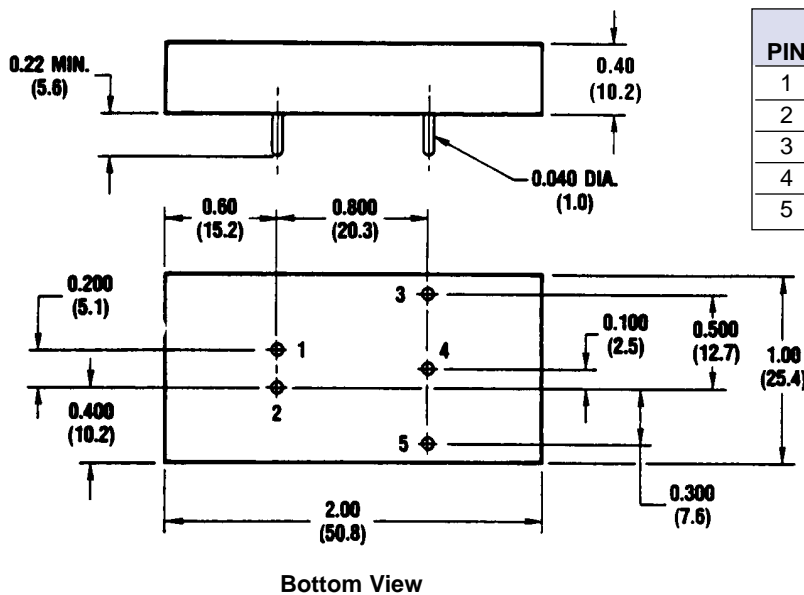


Electrical Specifications

All specifications typical at nominal line, full load and 25°C

OUTPUT SPECIFICATIONS	
Voltage Accuracy	±2% max.
Line Regulation (Full Input Range)	±0.5% max.
Load Regulation (1/4-Full Load)	±1% max.
Ripple and Noise (DC-20MHz)	1% of V out p-p max.
Temperature Coefficient	±0.05%/°C max.
Short Circuit Protection	Indefinite
INPUT SPECIFICATIONS	
Input Voltage Range	See Table
Input Filter	π Network
GENERAL SPECIFICATIONS	
Switching Frequency	100 kHz
Efficiency	See Table
Isolation (Input-Output)	500VDC (1000 Mohm/80 pF)
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-25°C to +71°C
Storage Temperature	-55°C to +125°C

Dimensions and Connections



PIN	SINGLE OUTPUT	DUAL OUTPUT
1	+ INPUT	+ INPUT
2	- INPUT	- INPUT
3	+ OUTPUT	+ OUTPUT
4	NO PIN	COMMON
5	- OUTPUT	- OUTPUT

Dimensions in inches (mm)
Specifications subject to change.