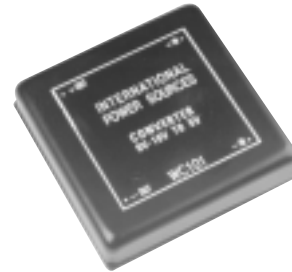


International Power Sources, Inc.

260 Hopping Brook Road
Holliston, Massachusetts 01746
Tel. (508) 429-4440 Fax (800) 226-2100
<http://www.intlpower.com>

DC/DC Converters



WU Series: 10/15 Watt Ultra Wide Input Range

FEATURES

- 4:1 Input Range
- Isolated Outputs
- Efficiency to 84%
- 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	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF
				NO LOAD	FULL LOAD	
WU100	4.5-6.0VDC	3.3VDC	3000mA	10mA	2470mA	80
WU101	4.5-6.0VDC	5VDC	2000mA	10mA	2620mA	76
WU102	4.5-6.0VDC	12VDC	800mA	10mA	2520mA	76
WU103	4.5-6.0VDC	15VDC	667mA	10mA	2510mA	80
WU104	4.5-6.0VDC	± 5 VDC	± 1000 mA	10mA	2620mA	76
WU105	4.5-6.0VDC	± 12 VDC	± 400 mA	10mA	2520mA	76
WU106	4.5-6.0VDC	± 15 VDC	± 333 mA	10mA	2510mA	79
WU200	9-18VDC	3.3VDC	3000mA	10mA	1030mA	80
WU201	9-36VDC	5VDC	3000mA	30mA	1560mA	80
WU202	9-36VDC	12VDC	1250mA	30mA	1540mA	81
WU203	9-36VDC	15VDC	1000mA	30mA	1525mA	82
WU204	9-36VDC	± 5 VDC	± 1500 mA	30mA	1560mA	80
WU205	9-36VDC	± 12 VDC	± 625 mA	30mA	1540mA	81
WU206	9-36VDC	± 15 VDC	± 500 mA	30mA	1520mA	82
WU207	9-36VDC	5/ ± 12 VDC	1500/ ± 310 mA	20mA	1576mA	79
WU208	9-36VDC	5/ ± 15 VDC	1500/ ± 250 mA	20mA	1582mA	79
WU209	9-36VDC	5/ ± 12 / ± 5 VDC	1500/310/500mA	20mA	1447mA	79
WU300	18-36VDC	3.3VDC	3000mA	10mA	500mA	83
WU301	20-72VDC	5VDC	3000mA	20mA	760mA	82
WU302	20-72VDC	12VDC	1250mA	20mA	750mA	83
WU303	20-72VDC	15VDC	1000mA	20mA	745mA	84
WU304	20-72VDC	± 5 VDC	± 1500 mA	20mA	760mA	82
WU305	20-72VDC	± 12 VDC	± 625 mA	20mA	750mA	83
WU306	20-72VDC	± 15 VDC	± 500 mA	20mA	745mA	84
WU307	20-72VDC	5/ ± 12 VDC	1500/ ± 310 mA	15mA	778mA	80
WU308	20-72VDC	5/ ± 15 VDC	1500/ ± 250 mA	15mA	781mA	80
WU309	20-72VDC	5/ ± 12 / ± 5 VDC	1500/310/500mA	15mA	715mA	80
WU400	36-72VDC	3.3VDC	3000mA	10mA	245mA	84

NOTE: NOMINAL INPUT VOLTAGE 5, 12, 24 OR 48VDC.

Electrical Specifications

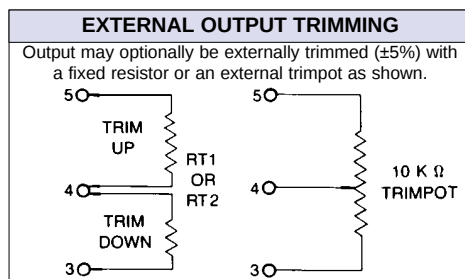
All specifications typical at nominal line, full load and 25°C

OUTPUT SPECIFICATIONS	
Voltage Accuracy ¹	±1% max.
Line Regulation (Full Input Range)	±1% max.
Load Regulation (1/4-Full Load)	±1% max.
Ripple and Noise (DC-20MHz)	1% of Vout max.
Temperature Coefficient	±0.02%/°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/80pF)
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-25°C to +71°C
Storage Temperature	-55°C to +125°C

Dimensions and Connections

PIN	SINGLE	DUAL	TRIPLE
1	+ Input	+ Input	Disable
2	- Input	- Input	- Input
3	+ Output	+ Output	+ Input
4	Trim	Common	- Output
5	- Output	- Output	Common
6	Disable	Disable	5VDC Output
7	—	—	+ Output

REMOTE ON/OFF CONTROL	
Logic Compatibility	CMOs or Open Collector TTL
E _o - ON,	>+5.5 VDC or Open Circuit
E _o - OFF,	<1.8 VDC
Shutdown Idle Current.....	10 mA
Input Resistance	(E _{in} 0 VDC to 9 VDC) 100KΩ
Control Common	Referenced to input Minus

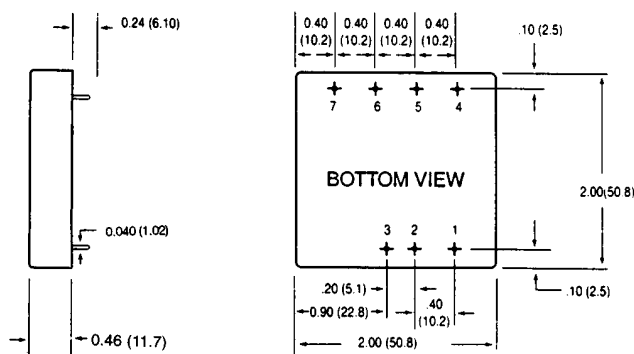
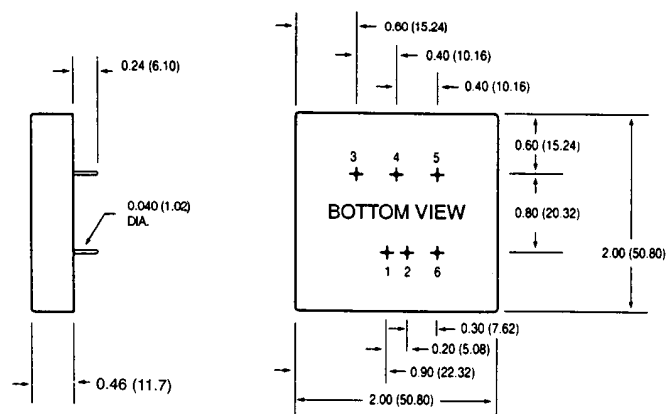


NOTES:

1. Voltage accuracy on 3VDC and triple outputs ±3% Max. Single outputs can be trimmed ±5%
2. Load regulation ±2% for dual and triple outputs.
3. Triple outputs require minimum of 10% load for rated performance.
4. Remote on/off standard on triple output units, add suffix "E" to part number for option on single and dual output units.

Dimensions in inches (mm).
Specifications subject to change.

SINGLE/DUAL OUTPUT



TRIPLE OUTPUT