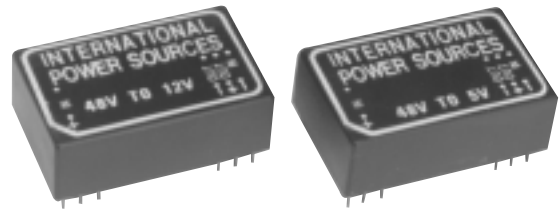


## International Power Sources, Inc.

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

## DC/DC Converters



### WT Series: 5 Watt Wide Input Range

### FEATURES

- 2:1 Input Range
- Isolated Outputs
- Efficiency to 82%
- Input  $\pi$  Filter
- Fully Regulated Outputs
- Optional 3k VDC Isolation

### MODELS CHART

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF
				NO LOAD	FULL LOAD	
WT201	9-18VDC	5VDC	1000mA	25mA	545mA	76
WT202	9-18VDC	12VDC	470mA	25mA	585mA	80
WT203	9-18VDC	15VDC	400mA	25mA	625mA	80
WT204	9-18VDC	$\pm 5$ VDC	$\pm 500$ mA	68mA	630mA	66
WT205	9-18VDC	$\pm 12$ VDC	$\pm 230$ mA	25mA	575mA	80
WT206	9-18VDC	$\pm 15$ VDC	$\pm 190$ mA	25mA	590mA	80
WT301	18-36VDC	5VDC	1000mA	15mA	265mA	78
WT302	18-36VDC	12VDC	470mA	15mA	285mA	82
WT303	18-36VDC	15VDC	400mA	15mA	305mA	82
WT304	18-36VDC	$\pm 5$ VDC	$\pm 500$ mA	35mA	300mA	70
WT305	18-36VDC	$\pm 12$ VDC	$\pm 230$ mA	15mA	285mA	81
WT306	18-36VDC	$\pm 15$ VDC	$\pm 190$ mA	15mA	295mA	81
WT401	36-72VDC	5VDC	1000mA	10mA	130mA	80
WT402	36-72VDC	12VDC	470mA	10mA	143mA	82
WT403	36-72VDC	15VDC	400mA	10mA	152mA	82
WT404	36-72VDC	$\pm 5$ VDC	$\pm 500$ mA	10mA	160mA	65
WT405	36-72VDC	$\pm 12$ VDC	$\pm 230$ mA	10mA	140mA	82
WT406	36-72VDC	$\pm 15$ VDC	$\pm 190$ mA	10mA	145mA	82

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

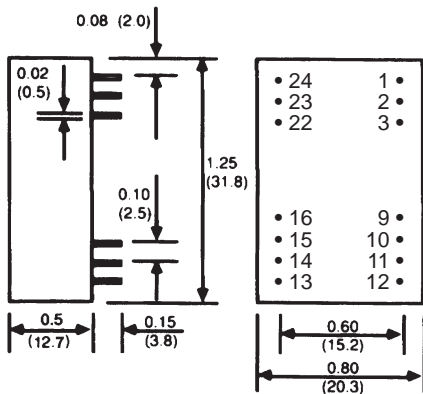
FOR OPTIONAL 4:1 INPUT RANGE:  
 9-36VDC: ADD SUFFIX "A" TO WT200 SERIES  
 20-72VDC: ADD SUFFIX "A" TO WT300 SERIES

# Electrical Specifications

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

OUTPUT SPECIFICATIONS	
Voltage Accuracy	±3% max.
Line Regulation (Full Input Range)	±1% max.
Load Regulation (1/4-Full Load)	±2.5% max.
Ripple and Noise (DC-20MHz)	1% of Vout p-p max.
Temperature Coefficient	±0.05%/°C max.
Short Circuit Protection	Indefinite
INPUT SPECIFICATIONS	
Input Voltage Range	See Table
Input Filter	Pi Network
GENERAL SPECIFICATIONS	
Switching Frequency	100 kHz
Efficiency	See Table
Isolation (Input-Output)	500VDC/3000VDC* (1000 Mohm/80pF)
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-25°C to +71°C
Storage Temperature	-55°C to +105°C

# Dimensions and Connections



(BOTTOM VIEW)

PIN	SINGLE OUTPUT	DUAL OUTPUT
1	+ V Input	+ V Input
2	No Connection	- V Output
3	No Connection	Common
10	- V Output	Common
11	+ V Output	+ V Output
12	- V Input	- V Input
13	- V Input	- V Input
14	+ V Output	+ V Output
15	- V Output	Common
22	No Connection	Common
23	No Connection	- V Output
24	+ V Input	+ V Input

PIN	SINGLE OUTPUT	DUAL OUTPUT
1	No Pin	No Pin
2	- V Input	- V Input
3	- V Input	- V Input
9	No Connection	Common
10	No Connection	No Connection
11	No Connection	- V Output
12	No Pin	No Pin
13	No Pin	No Pin
14	+ V Output	+ V Output
15	No Connection	No Connection
16	- V Output	Common
22	+ V Input	+ V Input
23	+ V Input	+ V Input
24	No Pin	No Pin

ALTERNATE PIN OUT  
3000VDC ISOLATION  
Suffix "X"

Dimensions in inches (mm)  
Specifications subject to change.  
\* 3000VDC on "X" Package