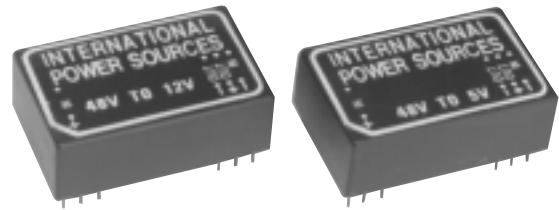


## International Power Sources, Inc.

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

## DC/DC Converters



### BT Series: 3 Watts Single and Dual Outputs

### FEATURES

- Fully Regulated Outputs
- Industry Standard Pinouts
- Input/Output Isolation
- 5, 12, 24 and 48 VDC Inputs
- PCB Mountable
- Low Cost

### MODELS CHART

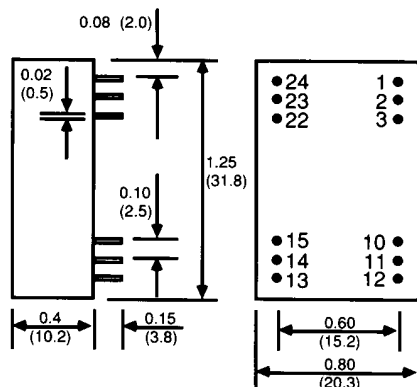
MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF
				NO LOAD	FULL LOAD	
BT101	5VDC	5VDC	600mA	80mA	960mA	63
BT102	5VDC	12VDC	250mA	80mA	934mA	64
BT103	5VDC	15VDC	200mA	80mA	930mA	65
BT104	5VDC	±12VDC	±120mA	120mA	921mA	63
BT105	5VDC	±15VDC	±100mA	105mA	963mA	63
BT201	12VDC	5VDC	600mA	40mA	380mA	66
BT202	12VDC	12VDC	250mA	40mA	403mA	62
BT203	12VDC	15VDC	200mA	40mA	364mA	69
BT204	12VDC	±12VDC	±120mA	40mA	380mA	63
BT205	12VDC	±15VDC	±100mA	45mA	400mA	63
BT301	24VDC	5VDC	600mA	15mA	193mA	65
BT302	24VDC	12VDC	250mA	15mA	195mA	64
BT303	24VDC	15VDC	200mA	30mA	192mA	65
BT304	24VDC	±12VDC	±120mA	25mA	193mA	62
BT305	24VDC	±15VDC	±100mA	20mA	192mA	65
BT401	48VDC	5VDC	600mA	15mA	105mA	60
BT402	48VDC	12VDC	250mA	15mA	95mA	66
BT403	48VDC	15VDC	200mA	15mA	107mA	58
BT404	48VDC	±12VDC	±120mA	15mA	100mA	60
BT405	48VDC	±15VDC	±100mA	15mA	113mA	56

## 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)	±1% max.
Ripple and Noise (DC-20MHz)	1% of Vout p-p max.
Temperature Coefficient	±0.05%/°C max.
Short Circuit Protection	Short Term
INPUT SPECIFICATIONS	
Input Voltage Range	±10%
Input Filter	Capacitor
GENERAL SPECIFICATIONS	
Switching Frequency	25 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 +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

Dimensions in inches (mm)  
Specifications subject to change.