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DC/DC Converters



**WB Series: 6 Watt
Wide Input Range**

FEATURES

- 2:1 Input Range
- Isolated Outputs
- Efficiency to 80%
- 100 kHz Switching Frequency
- Input π Filter
- Fully Regulated Outputs
- Industry Standard Pinouts
- PCB Mountable

MODELS CHART

MODEL	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		% EFF
				NO LOAD	FULL LOAD	
WB101	9-18VDC	5VDC	1000mA	25mA	565mA	74
WB102	9-18VDC	12VDC	470mA	25mA	615mA	77
WB103	9-18VDC	15VDC	400mA	25mA	640mA	78
WB104	9-18VDC	± 12 VDC	± 230 mA	30mA	590mA	78
WB105	9-18VDC	± 15 VDC	± 190 mA	30mA	610mA	78
WB201	18-36VDC	5VDC	1000mA	20mA	280mA	74
WB202	18-36VDC	12VDC	470mA	20mA	305mA	77
WB203	18-36VDC	15VDC	400mA	20mA	315mA	79
WB204	18-36VDC	± 12 VDC	± 230 mA	25mA	395mA	78
WB205	18-36VDC	± 15 VDC	± 190 mA	25mA	305mA	78
WB301	36-72VDC	5VDC	1000mA	15mA	138mA	75
WB302	36-72VDC	12VDC	470mA	15mA	155mA	76
WB303	36-72VDC	15VDC	400mA	15mA	155mA	80
WB304	36-72VDC	± 12 VDC	± 230 mA	15mA	150mA	77
WB305	36-72VDC	± 15 VDC	± 190 mA	15mA	150mA	78

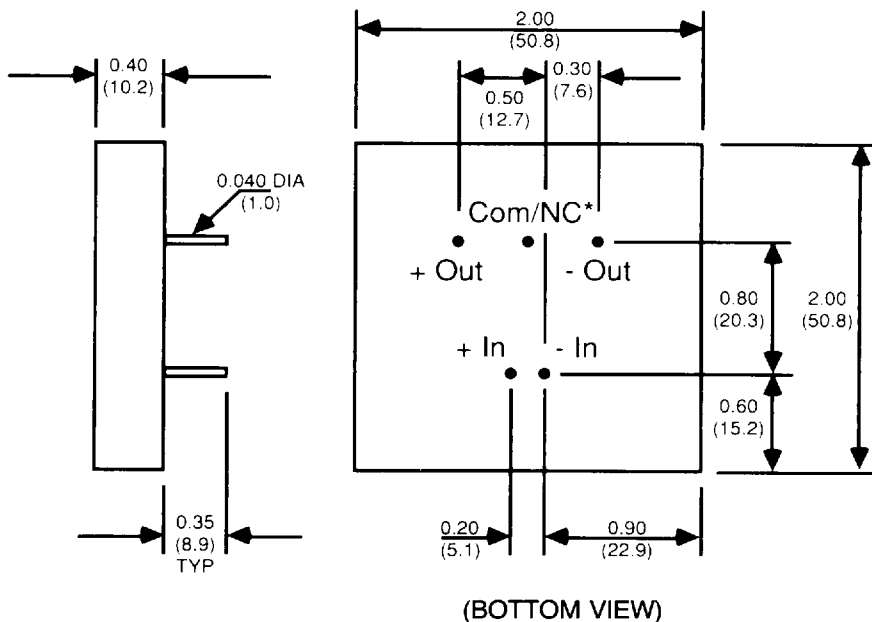
NOTE: NOMINAL INPUT VOLTAGE 5, 12, 24, OR 48 VDC

Electrical Specifications

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

OUTPUT SPECIFICATIONS	
Voltage Accuracy	±1%
Line Regulation (Full Input Range)	±.2%
Load Regulation (¼-Full Load)	± 1% max.
Voltage Balance, Dual Output at Full Load	± 1% max.
Ripple and Noise (DC-20MHz)	10mV RMS, 75mV p-p
Temperature Coefficient	± 0.02% / °C max.
Short Circuit Protection	Indefinite
INPUT SPECIFICATIONS	
Input Voltage Range	See Table
Input Filter	Pi Network
GENERAL SPECIFICATIONS	
Switching Frequency	100 kHz Typical
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 +105°C

Dimensions and Connections



Dimensions in inches (mm)
Specifications subject to change.

NC (No Connection) on single Output Models