

# Single Output Half Brick Dc/dc Converters 30-150 Watts

## JC / JW SERIES



Industry Standard Half Brick

24 & 48V Input

Over-Current Protection

-40 / +100C Baseplate Operating Temperature

Remote Sense

Remote On/Off

2.6 Million Hours MTBF

### Specification

#### Input

- Input Range* • 2:1, 18-36 / 36-72 VDC
- Efficiency* • 80-85% Typical

#### Output

- Maximum Power* • 50 - 150 watts

- Adjustment Range* • 10%

- Line Regulation* • 0.1% Typical
- Load Regulation* • 0.2% Typical
- Ripple & Noise* • 3% pk-pk

- OverVoltage Protection* • 110-140%

- Over Current Protection* • Continuous

#### General

- Isolation* • 1500vdc

- Control / Status Signals* • External Input filter required to meet EN55022, CISPR 22 & FCC part 15J

#### Environmental

- Operating Temperature* • -40 / +100°C Baseplate Temperature Range
- Storage Temperature* • -40 - +125C

#### Safety

- Safety* • UL  
CSA  
VDE  
CE Mark

**ORDERING INFORMATION**

**24V INPUT MODELS**

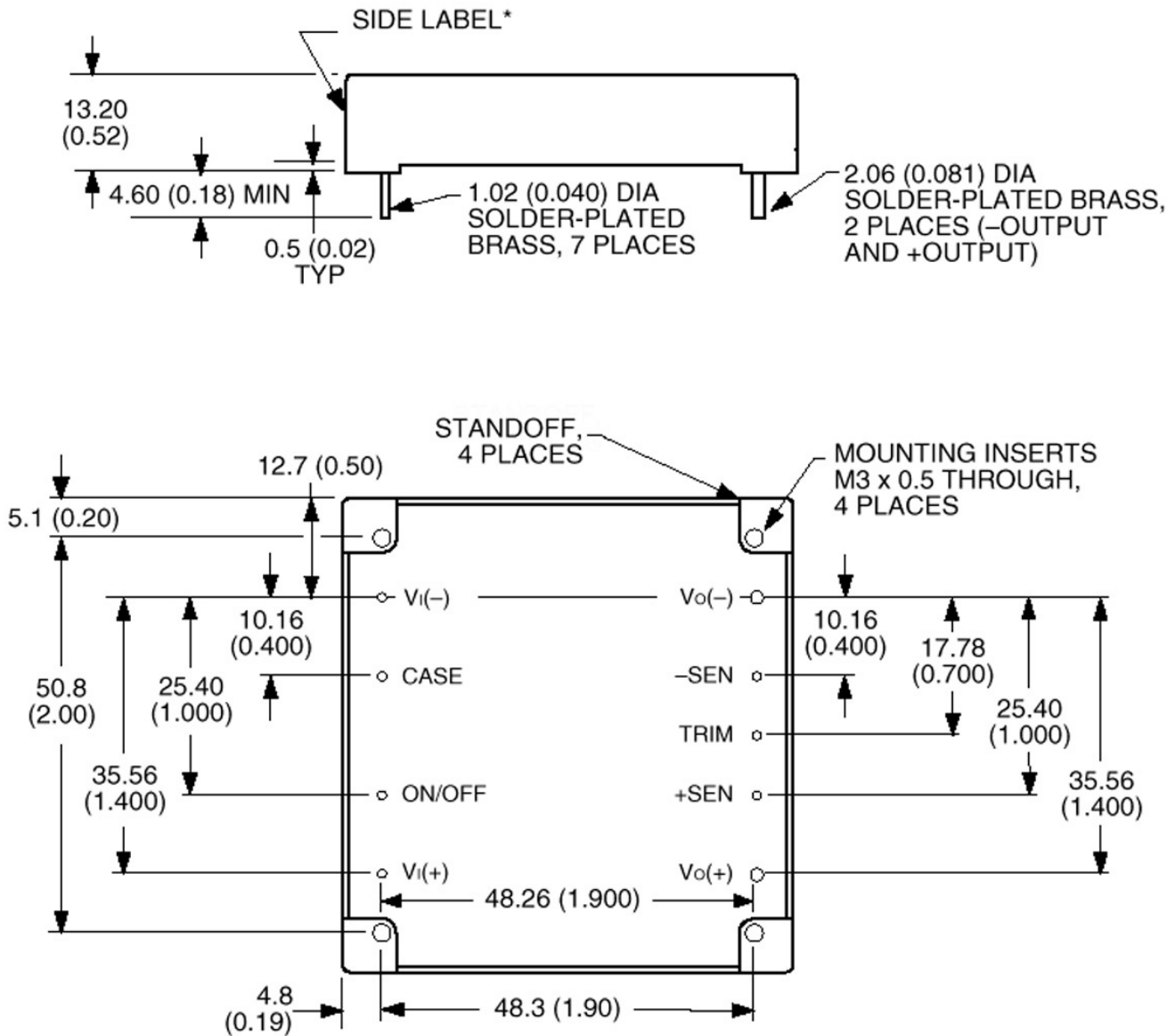
<b>MODEL #</b>	<b>INPUT RANGE</b>	<b>V OUT</b>	<b>A OUT</b>	<b>EFFICIENCY</b>
JC030A	18 - 36	5	6	81%
JC030B	18 - 36	12	2.5	81%
JC030C	18 - 36	15	2	81%
JC030D	18 - 36	2	6.5	67%
JC030F	18 - 36	3.3	6.5	73%
JC050A	18 - 36	5	10	82%
JC050B	18 - 36	12	4.16	85%
JC050C	18 - 36	15	3.33	85%
JC050F	18 - 36	3.3	10	79%
JC050H	18 - 36	24	2.1	85%
JC075A	18 - 36	5	15	79%
JC075B	18 - 36	12	6.25	82%
JC075F	18 - 36	3.3	15	79%
JC100A	18 - 36	5	20	79%
JC100B	18 - 36	12	8.33	82%
JC100C	18 - 36	15	6.67	85%

**48V INPUT MODELS**

<b>MODEL #</b>	<b>INPUT RANGE</b>	<b>V OUT</b>	<b>A OUT</b>	<b>EFFICIENCY</b>
JW030A	36 - 75	5	6	81%
JW030B	36 - 75	12	2.5	81%
JW030C	36 - 75	15	2	81%
JW030D	36 - 75	2	6.5	67%
JW030F	36 - 75	3.3	6.5	73%
JW050A	36 - 75	5	10	82%
JW050B	36 - 75	12	4.16	85%
JW050C	36 - 75	15	3.33	85%
JW050F	36 - 75	3.3	10	79%
JW050H	36 - 75	24	2.1	85%
JW075A	36 - 75	5	15	79%
JW075B	36 - 75	12	6.25	82%
JW075C	36 - 75	15	5	85%
JW075D	36 - 75	2	15	78%
JW075F	36 - 75	3.3	15	79%
JW075H	36 - 75	24	3.125	85%
JW100A	36 - 75	5	20	79%
JW100B	36 - 75	12	8.33	82%
JW100C	36 - 75	15	6.67	85%
JW100D	36 - 75	2	20	85%
JW100F	36 - 75	3.3	20	78%
JW100G	36 - 75	2.5	20	77%
JW10G	36 - 75	2.5	30	77%
JW150A	36 - 75	5	30	82%
JW150B	36 - 75	12	12.5	85%
JW150C	36 - 75	15	10	85%
JW150D	36 - 75	2	30	76%
JW150F	36 - 75	3.3	30	78%
JW150M	36 - 75	1.5	30	85%

NOTE: ADD THE SUFFIX 1 TO DESIGNATE NEGATIVE LOGIC REMOTE ON/OFF CONTROL

Notes



Notes