

JBW MODEL TABLE

MODEL	OUTPUT	SETTING TOLERANCE	OVP SETTING (Volts)(5)	OUTPUT CURRENT (Amps)(1)	CURRENT LIMIT (Amps)(2)	SW RIPPLE (mV p-p)	NOISE (mV p-p)	EFFICIENCY (%) (3)		LOAD Cap (4)
	Volts							100V a-c	240V a-c	
10 WATT MODELS										
JBW 03-2R0	3.3 ⁽⁷⁾	±0.16V	4.0	2.0 ⁽⁶⁾	3.0	80	120	68	68	10000µF
JBW 05-2R0	5	±0.25V	5.75	2	2.5	80	120	71	71	10000µF
JBW 12-0R9	12	±0.6V	13.8	0.9	1.12	120	150	78	79	5000µF
JBW 15-0R7	15	±0.75V	17.25	0.7	0.87	120	150	79	80	4000µF
JBW 24-0R5	24	±1.2V	27.6	0.5	0.62	120	150	82	83	2000µF
15 WATT MODELS										
JBW 05-3R0	5	±0.25V	5.75	3	3.15	80	120	72	72	10000µF
JBW 12-1R3	12	±0.6V	13.8	1.3	1.37	120	150	76	74	5000µF
JBW 15-1R0	15	±0.75V	17.25	1	1.05	120	150	76	74	4000µF
JBW 24-0R7	24	±1.2V	27.8	0.7	0.74	120	150	78	76	2000µF
30 WATT MODELS										
JBW 05-6R0	5	±0.25V	5.6	6	6.3	80	120	75	77	10000µF
JBW 12-2R5	12	±0.6V	13.3	2.5	2.7	120	150	78	79	2200µF
JBW 15-2R0	15	±0.75V	16.6	2	2.1	120	150	79	80	4000µF
JBW 24-1R3	24	±1.2V	26.5	1.3	1.4	120	150	80	81	2000µF
50 WATT MODELS										
JBW 05-10R	5	±0.5V	5.75	10	10.5	80	120	77	79	10000µF
JBW 12-4R3	12	±1.2V	13.8	4.3	5.4	120	150	80	81	10000µF
JBW 15-3R5	15	±1.5V	17.2	3.5	4.4	120	150	80	81	10000µF
JBW 24-2R1	24	±2.4V	27.6	2.4	3.0	120	150	81	83	10000µF


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- (1) Still air rating -10 to +50°C. Derate 30% at 60°C.
- (2) Minimum, consult factory.
- (3) Typical.
- (4) Acceptable added load capacitance, max.
- (5) Voltage limited by zener diode across output.
- (6) 2.7A peak (allowed for less than 10 seconds, average current not to exceed 2.0A).
- (7) Adjustable from 2.7V to 3.5V d-c.
- (8) 4.2A peak (allowed for less than 10 seconds, average current not to exceed 3.2A).
- (9) 5.0A peak (allowed for less than 10 seconds, average current not to exceed 4.3A).
- (10) 7.5A peak (allowed for less than 10 seconds, average current not to exceed 4.3A).
- (11) Adjustable within setting tolerance.

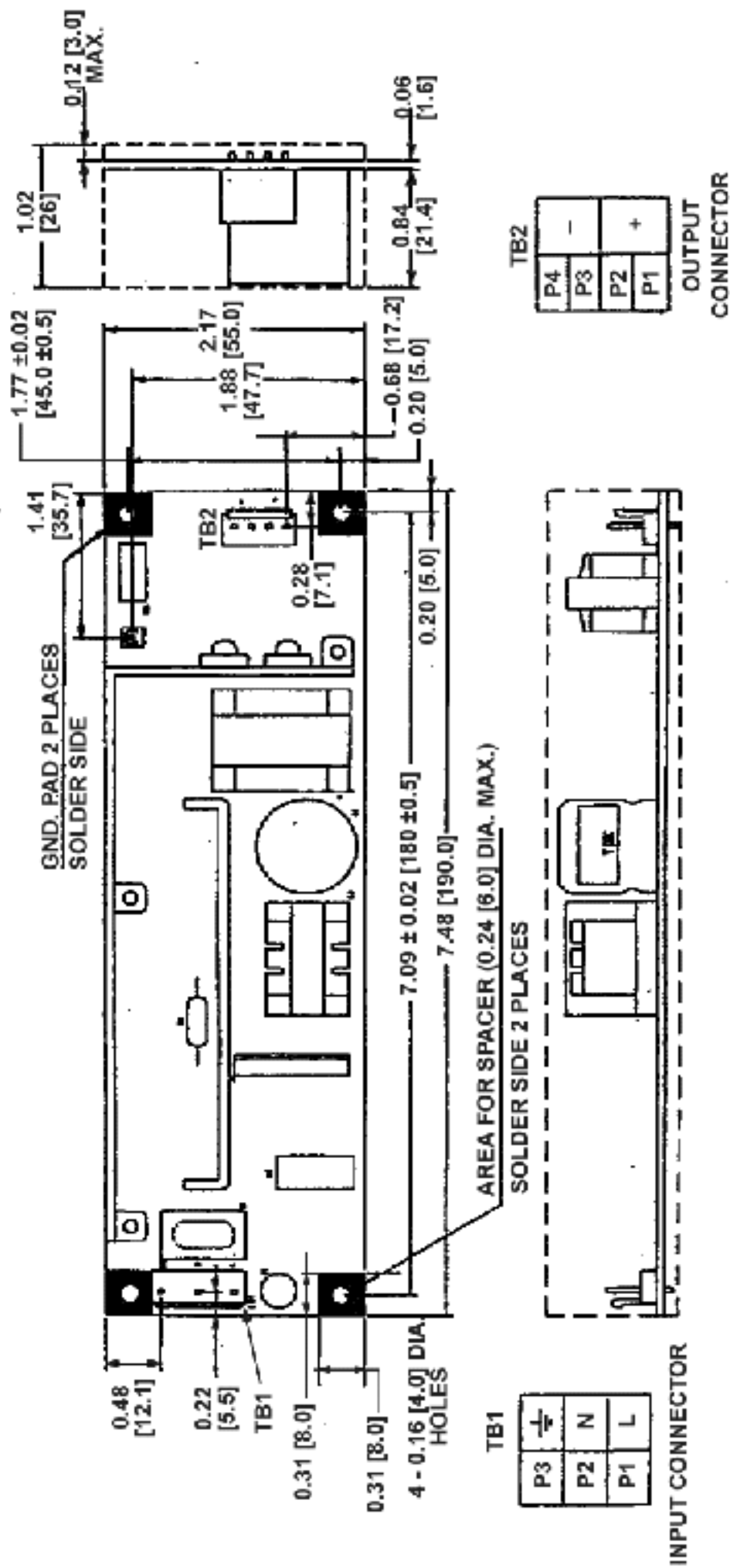
JBW 10W, 15W, 30W, 50W GENERAL/ENVIRONMENTAL SPECIFICATIONS

SPECIFICATION		RATING/DESCRIPTION	CONDITION
Temperature	Operating	-10 to +60°C (1)	See Rating curve
	Start up	-20 to +60°C	
	Storage	-30 to +75°C	
Humidity	Operating and Storage	10 to 90% RH	Wet bulb temperature <35°C
Vibration	5-10Hz	10mm amplitude	Sweep time 10 min. 1 hr ea axis (2) (non-operating)
	10-200Hz	19.6 m/s ² (2G) acceleration	
Shock	Acceleration	588 m/s ² (60G) 1/2 sine pulse	3 shocks ea axis (2)
	Duration	11 ±5 msec	
Incoming noise	input-input	1µs 2kV pulse	Normal operation (50Ω termination)
	input-ground	1µs 2kV pulse	50-60Hz (3)
Surge withstand	input-input	1.2 x 50µsec, 3kV pulse	100Ω internal series resistor (3)
	input-ground		
Immunity for electrostatic discharge		10kV from charged capacitor	Ground potential area-ground C=500 pF, 100Ω series res
Safety standards		UL1950-3; CSA22.2 No. 950-95 TÜV IEC 60950: 1991+A1+A2+A3+A4	Ambient temperature 50°C max. a-c input only
Conducted EMI		FCC Class B, VCCI-B EN55011-B; EN55022-B	
Withstand voltage	input-output	a-c 3000V, 1min (cutout 10mA)	5-35°C, 45-85% RH
	input-ground	a-c 2000V, 1min (cutout 10mA)	
	output-ground	a-c 500V, 1min (cutout 10mA)	
Insulation resistance	input-output	>100 MΩ (d-c 500V)	5-35°C, 45-85% RH
	input-ground		
	output-ground		
Dimensions (H x W x L)	10W English	0.83" x 1.42" x 3.74"	See Outline drawing
	10W metric	21mm x 36mm x 95mm	
	15W English	0.89" x 1.97" x 3.74"	See Outline drawing
	15W metric	22.6mm x 50mm x 95mm	
	30W English	1.02" x 2.17" x 4.80"	See Outline drawing
	30W metric	26mm x 55mm x 122mm	
	50W English	1.02" x 2.17" x 7.48"	See Outline drawing
	50W metric	26mm x 55mm x 190mm	
Cooling		Natural convection	

1) Full output power in still air to +50°C. Derate 30% for still air operation to +60°C.
Consult factory for power ratings with moving air.

(2) Non operating.

(3) Operating.



NOTES:

1. DIMENSIONS ARE IN INCHES, DIMENSIONS IN BRACKETS ARE IN MILLIMETERS.
2. TOLERANCES: ±0.04 IN. (±1 MM) UNLESS OTHERWISE SPECIFIED.
3. PCB THICKNESS: 0.063 ± 0.008 [1.6 ±0.2].
4. WEIGHT: 0.49 LBS [220 GRAMS].