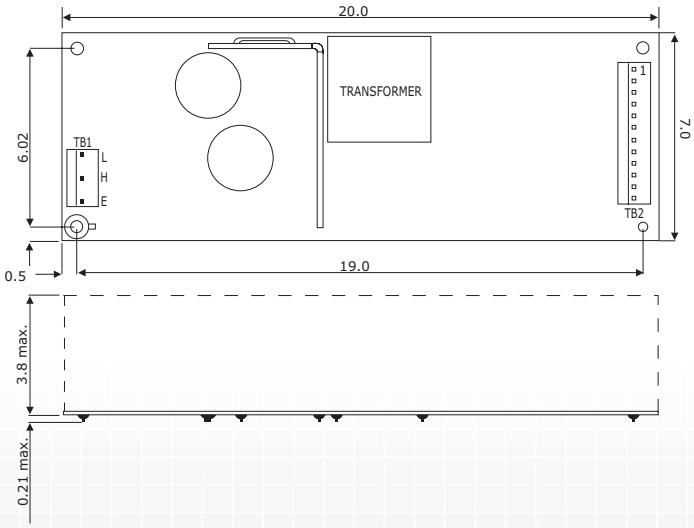
BPW-7010

100W AC-DC Open Frame Power Supply





Features

- ***Input Voltage:** 85~264VAC
- ***Input Frequency:** 47~63Hz
- ***Input Current:** 3A at 115VAC or 1.5A at 230VAC
- ***Inrush Current:** < 30A at 115VAC input or < 60A at 230VAC input, under 24°C cold start
- ***Load Range:** With all output at 60% rated load, +5V is between 4.95V and 5.05V. All other outputs are within the accuracy range. Effective so long as the max. load does not exceed 90W continuous convection cooling
- ***Ripple and Noise:** Peak to peak ripple and noise for each output is < 1% of each output's voltage at rated load
- ***Line Regulation:** < +/-1% for rated load with +/-10% change in input voltage
- ***Load Regulation:** < +/-1% for +5V and < +/-5% for all other outputs
- ***Hold Up Time:** > 16ms at 115VAC input and rated load
- ***Efficiency:** > 70% measured at nominal line and rated load
- ***Altitude:** > 10,000 feet
- ***Protection:** Built-in crowbar circuit. Trip point is between 5.7~7V. AC line off and on cycle for over voltage recovery and restart hiccup mode protection against short circuit or over load condition
- ***Temperature:** 0~+50°C forced air 30CFM needed when output > 80W (operating); -40~+85°C (storage)
- ***Connectors:**
  AC Input: Molex 5273-05A withdraw 2-pin or equivalent device
  DC Output: Molex 5273-12A or equivalent device
- ***Dimensions:** 7.0 x 20.0 x 3.8 cm at tolerance +/-0.4mm

Safety Standards

- ***Safety:** UL 1950 / CSA 22.2 No.234 / VDE EN60950
- ***EMI:** FCC class B / EN55022 B
- ***EMS:** Level 3 of IEC-802, 803, 804, 805

PIN	Output
1~3	+5V
4~7	GND
8~9	+12V
10	-12V
11	+24V
12	N/C

Output Voltage	Min. Load	Rated Load	Max. Load	Voltage Accuracy
+5V	1A	10A	12A	4.9~5.1V
+12V	0A	2.5A	5A	11.25~12.75V
-12V	0A	0.5A	1A	-11.25~-12.75V
+24V	0A	0.5A	1A	22.8~25.2V