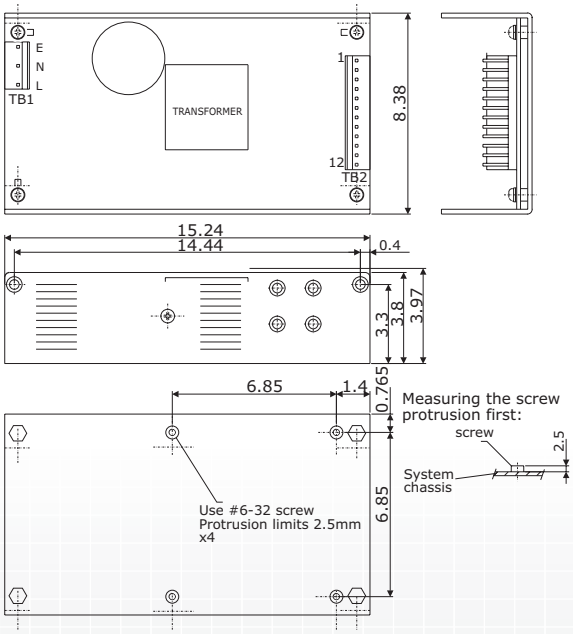
MPI-8080

80W AC-DC Open Frame Power Supply
Output 100W with Fan Required





Features

***Input Voltage:** 85~264VAC
***Input Frequency:** 47~63Hz
***Input Current:** 3A at 115VAC or 1.5A at 230VAC max. capacitors
***Inrush Current:** Does not exceed 30A at 115VAC input or 60A at 230VAC input, cold start at 25°C
***Load Regulation:** With +5V output set between 4.95~5.05V and all output at 60% rated load, and all other outputs in the accuracy range, max. load can not > 80W convection cooling and > 100W forced air cooling
***Ripple And Noise:** Peak to peak ripple and noise for each output is < 1% of each output voltage at rated load
***Line Regulation:** < +/-1% at rated load with +/-10% change in input voltage
***Load Regulation:** < +/-1% for +5V, < +/-5% for other outputs with +/-40% change in measured output loading from 60% rated load and other outputs at 60% rated laod
***Hold Up Time:** > 16ms at 115VAC input and rated load
***Efficiency:** > 70% at nominal line and rated load
***Altitude:** 10,000 feet
***Protection:**
Short Circuit: Hiccup mode against short circuit or over load conditions auto recovery to normal after wrong conditions are removed
Output: Built-in crowbar circuit shuts down outputs to avoid damage. Trip point of over voltage protection is between 5.7~7.0V AC line ON/OFF restarts and recovers the unit from over voltage protection
***Temperature:** 0~+50°C, requires forces air of 30CFM for outputs > 80W (operating); -20~+70°C (storage)
***Humidity:** 5~95%; non-condensing at 40°C (operating)
***Dimensions:** 15.24 x 8.38 x 3.8 cm within +/-0.4mm tolerance
***MTBF:** 283,179 hrs.

Safety Standards

***Safety:** UL 1950 / CSA 22.2 No.234 / VDE EN60950
***EMI:** FCC class B / EN55022 B
***EMS:** Level 3 of IEC-801, 802, 803, 804

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

PIN	Input
1	AC Line-1
2	AC Line-2
3	GND

Output Voltage	Min. Load	Rated Load	Max. Load	Tolerance
+5V	1A	6A	10A	+/-0.05V
+12V	0A	3.5A	6A	+/-0.75V
-12V	0A	0.5A	1A	+/-0.75V
-5V	0A	0.5A	1A	+/-0.25V