OPEN FRAME Single Output

84 Watt

- A family of single output, 84 Watt, universal input switching power supplies
- Meets international and domestic commercial safety standards
- Meets international EMI requirements

SPECIFICATIONS

ELECTRICAL
INPUT
Universal, 90 - 264Vac, 47-63 Hz, single phase.
Inrush current: 30A Max @ 115Vac & cold start
60A Max @ 230Vac & cold start

OUTPUT
Ripple *: 1 % p-p of output voltage measured differentially
Max total regulation **: 3%
Max Startup time: 5 s
Holdover: 16 ms minimum
**Ripple voltage measurement is done with an oscilloscope set at 20 MHz bandwidth and output terminated with 0.1 uF ceramic capacitor and 47 uF aluminum capacitor at full load and nominal line*
*** includes line, load, temperature and set point*

EFFICIENCY 75 % minimum

PROTECTION Output short circuit protected

LEAKAGE CURRENT Less than 750uA

MECHANICAL
AC input (CN1): Molex 5273, 5P3 or equivalent
DC Output (CN2): Molex 5273,8P or equivalent
Output Pin Assignment: +12V Output: Pin 1, 2, 7, 8 GND Output: Pin 3, 4, 5, 6
Dimensions (L x W x H), mm: 172 x 98x 43
Weight typical, g: 540

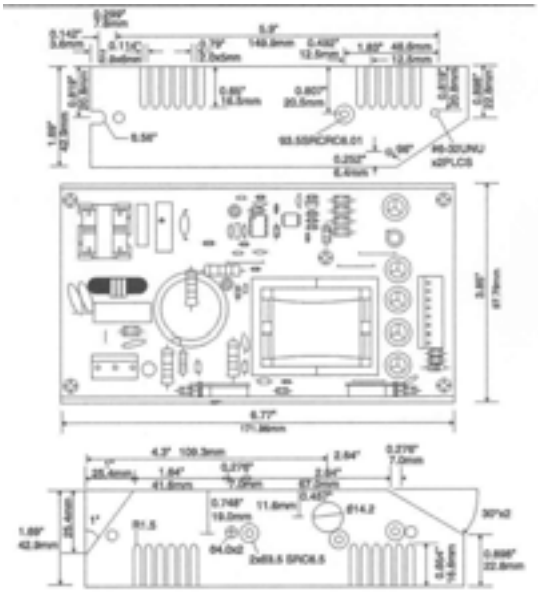
ENVIRONMENTAL
Operating temperature: 0 to + 50 °C
(at full rated output power with natural convection cooling and in non-restricted environment)
Storage temperature: -20 to + 85 °C
Operating Humidity: 10 to 90 %
Storage Humidity: 5 to 95 %

Hi-Pot Test
Primary to FG 1500Vac / 1 minute @ 10mA max

EMI Compliance
FCC part 15J Class B
CISPR 22 (EN 55022) Class B

Safety Approvals
UL 1950 3rd Edition
cUL
TUV EN 60950

Ordering Information

Model Number	Nominal Power	Maximal Power [1]	Output, DC [2]		
	W	W	Volts	Nominal current Amps	Max Amps [1]
OTE-10812	84	108	12	7	9
OTE-10812-1010	84	108	15	5.6	7.2
OTE-10812-1020	84	108	18	4.6	6
OTE-10812-1030	84	108	24	3.5	4.5

1) Output power 108 W (9A) with 30 CFM forced airflow.
2) Peak Load: 220 % of max current within 5 ms at Output Voltage 9 V min
Full Load 9 A max with 30 CFM forced airflow condition
All units can be customized to meet specific needs