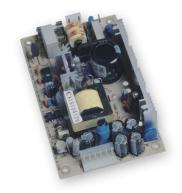


Features

- ·Universal AC input/ Full range
- Short circuit, overload, over-voltage protected
- -Cooling by free air convection
- ·Approvals: UL/CUL/TUV/CB/CE
- ·Fixed switching frequency at 65KHz
- ·Low leakage current <0.5mA
- -100% full load burn-in test
- ·Low cost, high reliability
- -2 year warranty



	CH1	CH2	CH3
DC output voltage	5V	12V	-5V
Output V. tolerance	±4%	±7%	±5%
Output rated current	3A	2A	0.3A
Output min. current	0.4A	0.2A	0A
Output max. current	5A	2.5A	0.5A
Ripple & noise p-p	50mV	120mV	50mV
Line regulation	±1%	±2%	±1%
Load regulation	±3%	±4%	±1%
Rated output power	40.5W		
Maximum output power	rated output power for convection		
	52W with 18CFM min forced air		
Efficiency	75%		
DC voltage adj.	CH1: +10, -5%		
Input voltage range	90~264VAC 47~440Hz; 120-370VDC		
AC current	1A/115V 0.7A/230V		
Inrush current	cold start 20A/115V 40A/230V		
Leakage current	<0.5mA @ 240 VAC		
Overload protection	53~75W		
	type: Hiccup mode, recovers automatically after fault condition is removed		
Over voltage protection	5.75~6.75VDC on CH1		
Temperature coefficient	±0.04% / °C (0~50°C) on +5V output		
Set up, rise, hold up time	800ms, 20ms, 20ms		
Vibration	10~500Hz, 2G 10 min./1 cycle, period of 60 min. each axes		
Withstand voltage	I/P-O/P: 3KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC, for 1 min.		
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG: 500VDC / 100M Ohms min.		
Working temp., humidity	-10°C~+60% (refer to output derating curve), 20%-90% RH		
Storage temp., humidity	-20°C~+85°C, 10%-95% RH		
Dimensions	5x3x1.1 inches (127x76.2x28 mm) PCB only		
Weight	0.506 lbs (0.23 Kg)		
Safety standards	UL1950, TUV EN60950 approved		
EMC standards	CISPR22 (EN55022), IEC1000-4-2,3,4,5 IEC1000-3-2, 3 verification		

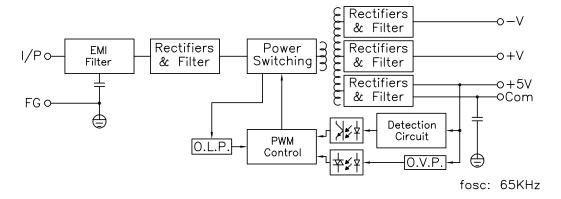
Notes:

- 1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient
- 2. Tolerance includes set up tolerance, line regulation, load regulation
- 3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47 uF capacitor
- 4. Line regulation is measured from low line to high line at rated load
- 5. Output provides up to maximum current, but is related to maximum output power
- 6. Mounting holes M1 and M2 should be grounded for EMI purposes

V-Infinity reserves the right to make changes to its products or to discontinue any product or service without notice, and to advise customers to verify the most up-to-date product information before placing orders. V-Infinity assumes no liability or responsibility for customer's applications using V-Infinity products other than repair or replacing (at V-I's option) V-Infinity products not meeting V-I's published specifications. Nothing will be covered outside of standard product warranty.

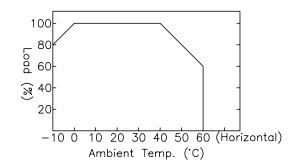


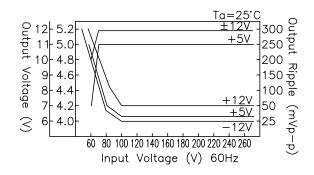
Block Diagram



Output Derating

Static Characteristics





Dimensions (mm)

Terminal Pin No. Assignment CN1: MOLEX 5277-02
PIN 1,2: AC INPUT
CN2: MOLEX 5273-06
PIN 1: DC OUTPUT +V
PIN 2,3: DC OUTPUT +5V
PIN 4,5: DC OUTPUT COM
PIN 6: DC OUTPUT -V

Mating Connectors CN1,2 Mating Connector type Molex 5195 and 5239 series or equivalent with Molex 5194 and 5225 or equivalent crimp terminals.

