

Features

- ·Universal AC input / Full range
- ·Low leakage current<0.5mA
- ·Protections:Short circuit/Over load/Over voltage/
- Over temperature
- ·Cooling by free air convection
- -100% full load burn-in test
- ·Fixed switching frequency at 100KHz
- ·Low cost
- ·High reliability
- -2 year warranty



DC output V. tolerance ±2% ±6% Output rated current 1.2A 0.8A Output current range 0.2-2A 0.1-1A Ripple & noise (Vp-p) 50m 200m Line regulation ±0.5% ±2% Load regulation ±1% ±4% DC output power 25W Efficiency 77% DC voltage adj. Input voltage range 85-264VAC 47-63Hz; 120-370VDC AC current 0.65A/115V 0.4A/230V Inrush current cold start 40A Leakage current <0.5mA/240VAC Overload protection dbove 105% type: Hiccup mode, recovers automatically after fault condition is removed Over voltage protection CH1, CH2: 115%-135% Over temp. protection U1 Tj 135°C typical power shutdown Temperature coefficient ±0.03% / °C (0-50°C) on CH1 output Set up, rise, hold up time 250ms, 30ms, 16ms/115VAC 250ms, 50ms, 50ms/230VAC 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 m		Ch1	Ch2
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Ripple & noise (Vp-p) Line regulation ±0.5% ±2% Load regulation ±1% ±4% DC output power 25W Efficiency 77% DC voltage adj. Input voltage range 85-264VAC 47-63Hz; 120-370VDC AC current 0.65A/115V 0.4A/230V Inrush current cold start 40A Leakage current <0.5mA/240VAC Overload protection above 105% type: Hiccup mode, recovers automatically after fault condition is removed Over voltage protection CH1, CH2: 115%-135% Over temp. protection U1 Tj 135°C typical power shutdown Temperature coefficient ±0.03% / °C (0-50°C) on CH1 output Set up, rise, hold up time 250ms, 30ms, 16ms/115VAC 250ms, 50ms, 50ms/230VAC 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 -20°C~+85°C, 10%-95% RH	Output rated current	1.2A	0.8A
Line regulation ±0.5% ±2% Load regulation ±1% ±4% DC output power 25W Efficiency 77% DC voltage adj Input voltage range 85-264VAC 47~63Hz; 120-370VDC AC current 0.65A/115V 0.4A/230V Inrush current cold start 40A Leakage current <0.5mA/240VAC Overload protection above 105%	Output current range	0.2-2A	0.1-1A
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Efficiency 77% DC voltage adj Input voltage range 85~264VAC 47~63Hz; 120-370VDC AC current 0.65A/115V 0.4A/230V Inrush current cold start 40A Leakage current <0.5mA/240VAC Overload protection above 105% type: Hiccup mode, recovers automatically after fault condition is removed Over voltage protection U1 Tj 135°C typical power shutdown Temperature coefficient ±0.03% / °C (0~50°C) on CH1 output Set up, rise, hold up time 250ms, 30ms, 16ms/115VAC 250ms, 50ms, 50ms/230VAC 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	Line regulation	±0.5%	±2%
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Input voltage adj Input voltage range 85~264VAC 47~63Hz; 120-370VDC AC current 0.65A/115V 0.4A/230V Inrush current cold start 40A Leakage current <0.5mA/240VAC Overload protection above 105% type: Hiccup mode, recovers automatically after fault condition is removed Over voltage protection CH1, CH2: 115%~135% Over temp. protection U1 Tj 135°C typical power shutdown Temperature coefficient ±0.03% / °C (0~50°C) on CH1 output Set up, rise, hold up time 250ms, 30ms, 16ms/115VAC 250ms, 50ms, 50ms/230VAC 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	DC output power	25W	
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	Working temp., humidity	-10°C~+60% (refer to output derating curve), 20%-90% RH	
Dimensions 4.21x2.4x1.1 inches (107x61x28 mm)	Storage temp., humidity	-20°C~+85°C, 10%-95% RH	
	Dimensions	4.21x2.4x1.1 inches (107x61x28 mm)	
Weight 0.33lbs (.15 Kgs)	Weight	0.33lbs (.15 Kgs)	
Safety standards UL1950, TUV EN60950 approved	Safety standards	UL1950, TUV EN60950 approved	
EMC standards CISPR22 (EN55022), IEC1000-4,2,3,4,5 IEC1000-3-2, 3 verification	EMC standards	CISPR22 (EN55022), IEC1000-4,2,3,4,5 IEC1000-3-2, 3 verification	

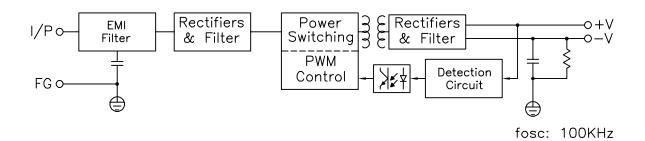
Notes:

- 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. Load regulation is measured from 20% to 100% rated load, other outputs at 60% rated load
- 6. Each output provides up to maximum current, but total load can not exceed max. output power

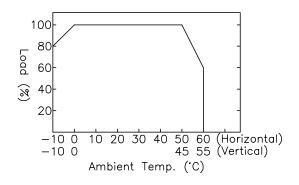
V-Infinity reserves the right to make changes to its products or to discontinue any product or service without notice, and to advise cus tomers to verify the most up-to-date product information before placing orders. V-Infinity assumes no liability or responsibility for cus tomer's applications using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



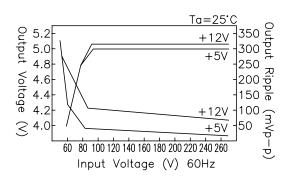
Block Diagram



Output Derating



Static Characteristics



Dimensions (mm)

Terminal Pin No. Assignment CN1: MOLEX 41791-03
PIN 1,3: AC INPUT
CN2: MOLEX 41791-04
PIN 1: DC OUTPUT V1
PIN 2,3: DC OUTPUT COM
PIN 4: DC OUTPUT V2

Mating Connectors CN1,2 Mating Connector Type Molex 2139 and 3069 Series or equivalent with Molex 2478 and 2578 or equivalent crimp terminals.

