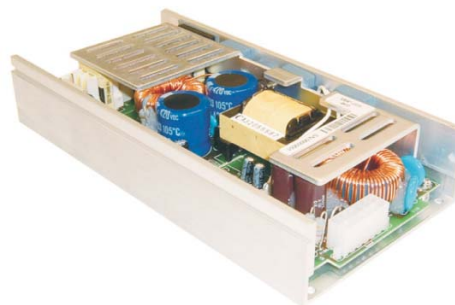


Features

- U-bracket low profile : 38mm
- High power density 4.7 w/ in³
- Universal AC input / full range
- Built in active PFC circuit compliance to EN61000-3-2
- Active AC surge current limiting
- Short circuit, overload, over voltage, temperature protection
- Free air convection for 150W and forced air convection for 225W
- 3 year warranty



DC output voltage	48V
Output rated current	4.7A
Current range	0~4.7A
Rated output power	225.6W
Ripple & noise	250mVp-p
Voltage adj. range	43.2~52.8V
Voltage tolerance	±2.0 %
Line regulation	±0.5 %
Load regulation	±1.0 %
Setup, rise, hold time	500ms, 30ms, 22ms/230VAC 1200ms, 30ms/115VAC at full load
Input voltage range	90~264VAC 127-370VDC
Frequency range	47~63Hz
Power factor	PF>0.93/230VAC PF>0.97/115VAC at full load
Efficiency	86%
AC current	115VAC 2.2A 3.3A 230VAC 1.1A 1.6A
Inrush current	20A/115VAC 30A/230VAC
Leakage current	<3.5Ma / 240VAC
Overload protection	105~150% of rate load type: constant current limiting, recovers automatically after fault condition is removed
Overvoltage	52.8~64.8V type: shutdown output voltage, re-power on to recover
Over temperature	95°C±5°C (RTH2 : Detect on heatsink of power transistor) type: shutdown output voltage, recovers automatically after temperature goes down
Working temperature	-20~+65°C (refer to output load derating curve)
Working humidity	20~90% RH non-condensing
Storage temp., humidity	-40~+85°C, 10~95% RH
Temperature coefficient	±0.03%/°C (0~50°C)
Vibration	10~500Hz, 2G 10 min./1 cycle, 60min. each along X,Y,Z axes
Safety standards	UL60950, TUV EN60950 approved
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: 100M Ohms/500VDC
EMI conduction & radiation	compliance to EN55022 (CISPR22) Class B
Harmonic current	compliance to EN6100-3-2,-3
EMS immunity	compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, Light industry level, criteria A
MTBF	220K hrs min. MIL-HDBK-217F (25°C)
Dimensions	7.95x4x1.5 inches (202x101.5x38mm)
Weight	1.87lbs (0.85kgs)

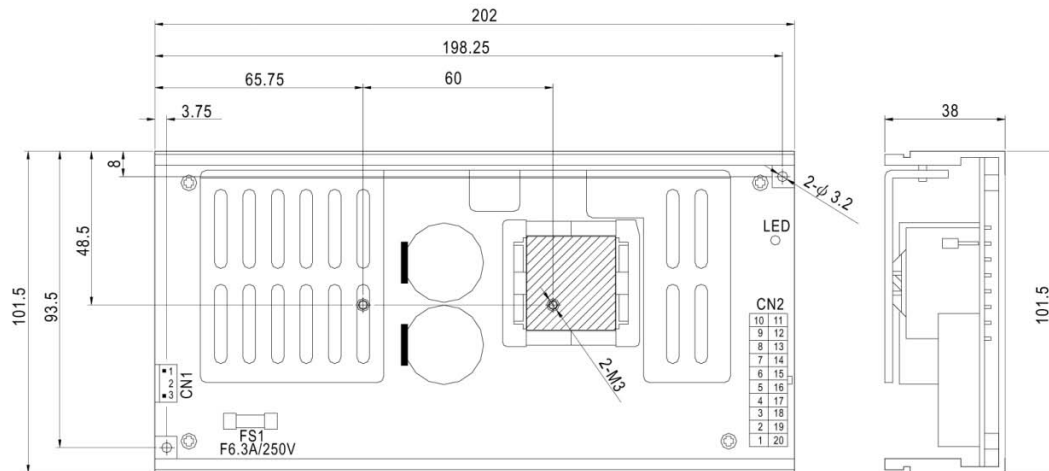
Notes:

1. All parameters are specified at 230VAC input, rated load, 25°C, 70% RH ambient
2. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47 uF capacitor
3. Tolerance : includes set up tolerance, line regulation and load regulation

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.

Mechanical Specification

Case No. 928 Unit:mm



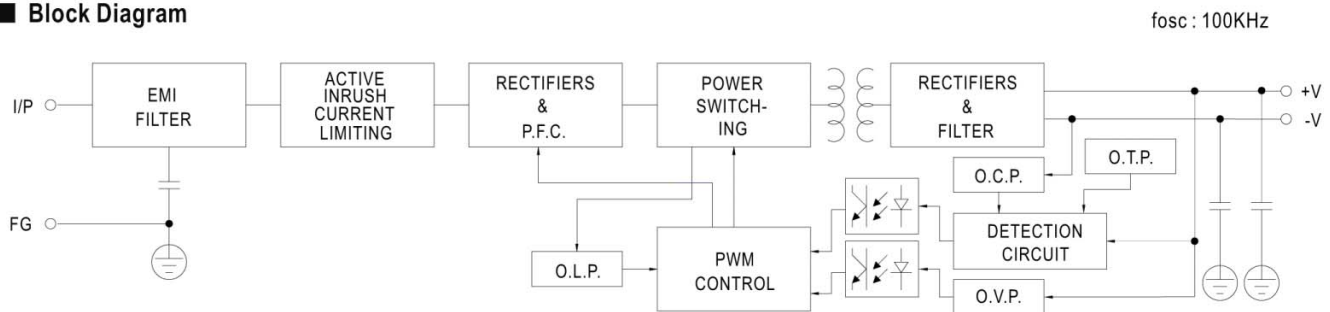
AC Input Connector (Cn1) : JST B3P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/N	JST VHR	JST SVH-21T-P1.1
2	No Pin	-----	-----
3	AC/L	JST VHR	JST SVH-21T-P1.1

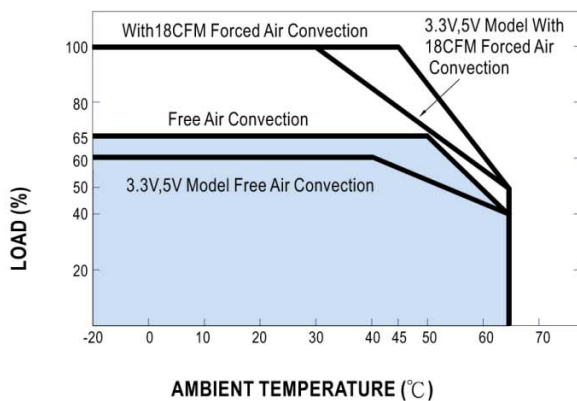
DC Output Connector (Cn2) : MOLEX 39-29-9126 or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1~5	+V	MOLEX 5557 or equivalent	MOLEX 5556 or equivalent
6~15	-V		
16~20	+V		

Block Diagram



Derating Curve



Static Characteristics (5V)

