



All information contained herein applies only to the above listed part number. Other versions of this part number with electrical or mechanical variations are available. Contact CUI Stack for further assistance. 9615 SW Allen Blvd., Ste. 103, Beaverton OR 97005
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1. INPUT:

- 1.1 AC Input Voltage Rating: 100VAC to 240VAC
- 1.2 AC Input Voltage Range: 90 VAC to 264 VAC(universal)
- 1.3 AC Input Frequency: 47 Hz to 63 Hz
- 1.4 AC Input Current: 1 A (RMS) Max. For 115VAC.
0.5A (RMS) Max. For 230VAC.
- 1.5 Max. In-rush Current: 30A Max @ 115VAC
60A Max @ 230VAC
at 25°C ambient cold start.
- 1.6 Leakage Current: 3.5mA Max.

2. Output Characteristics:

- 2.1 Output voltage Va: + 5 VDC
- 2.2 Max. load current: 4 A
- 2.3 Min. load current: 0 A
- 2.4 Line Reg: +-2%
- 2.5 Load Reg: +-4%
- 2.6 Output ripple and noise: 50mVp-p

*Ripple & noise test condition:

Measured with by-pass capacitors 0.1uf/10uf at output connector terminal and oscilloscope set at 20 Mhz.(tested by oscilloscope)



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3: General characteristics:

- 3.1 MAX. output power: 20 watts continuous.
- 3.2 Efficiency: 70% (Typical) at Max. load & 120VAC.
- 3.3 Hold up time: 12mS Min. at Max. load 120VAC.
- 3.4 Transient response: output return within +-5% tolerance of nominal voltage within 1mS.
For 50% load change, 120Hz 50% duty cycle.
- 3.5 Over voltage protection: by zener diode clamping 6.2V+-5% 1W.
- 3.6 Over current protection: All outputs equipped with short circuit protection - auto restart
- 3.7 Short circuit protection: Protection against short circuit for output
Note: The output can be shorted permanently without damage.
- 3.8 Temperature coefficient: 0.03% per °C maximum over entire operating temperature range for Va output.

4. Environmental:

- 4.1 Operating temperature: 0°C to 45°C
- 4.2 Storage temperature: -30°C to 85°C
- 4.3 Operating relative humidity: 8% to 90%
- 4.4 Storage relative humidity: 5% to 95%

5. Safety requirement:

- (1) UL 1950
- (2) CUL C22.2 NO.950
- (3) TUV IEC950 (EN60950)
- (4) T Mark
- (5) CE



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(6) AS/NZS3260

6. EMI requirement:

- (1) FCC class " B " rules.
- (2) EN55022 class " B " rules.
- (3) VCCI class B

7. High-pot test (Puncture test):

7.1 Primary to secondary: 1500VAC for 1 Min. 10mA
(FG and secondary is connected)

8. Insulation resistance

8.1 Primary to secondary: > 7 M ohm. 500VDC
(FG and secondary is connected)

9. Reliability:

9.1 MTBF: 100K hours min.
@ Full load at 25°C ambient temperature.

9.2 Burn in: 24hrs, 40 +-5°C, 115VAC or 230VAC
ON/OFF cycling full load nominal line.

9.3 Vibration: Frequency range: 10-55Hz.
Amplitude 2G over entire frequency range.
Sweep 1 minute for x, y, z Axis each cycle:20

9.4 Altitude: will operate properly at any altitude between 0 to 10000ft.

10. DC output cord: The center pin shall be the positive output.
The outer shell shall be the ground.

11. Mechanical

11.1 Dimensions: 113mm length
61mm width
34mm height

11.2 Weight: 242g