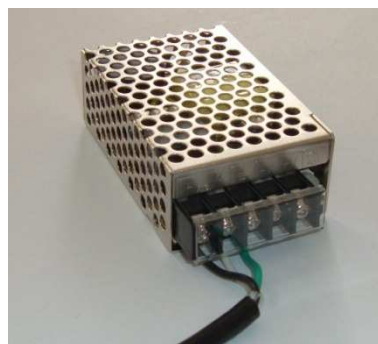
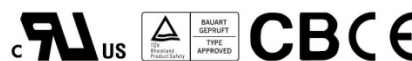


Features:

- Switching type power supply
- 40V DC output voltage
- 0.57A rated output
- Universal AC input / Full range
- Protections: short circuit / overload / over voltage
- Natural air convection cooling

**Mount:**

- This unit is intended for mount inside a system
- For safety, ensure that unit is accessible only for qualified service personnel

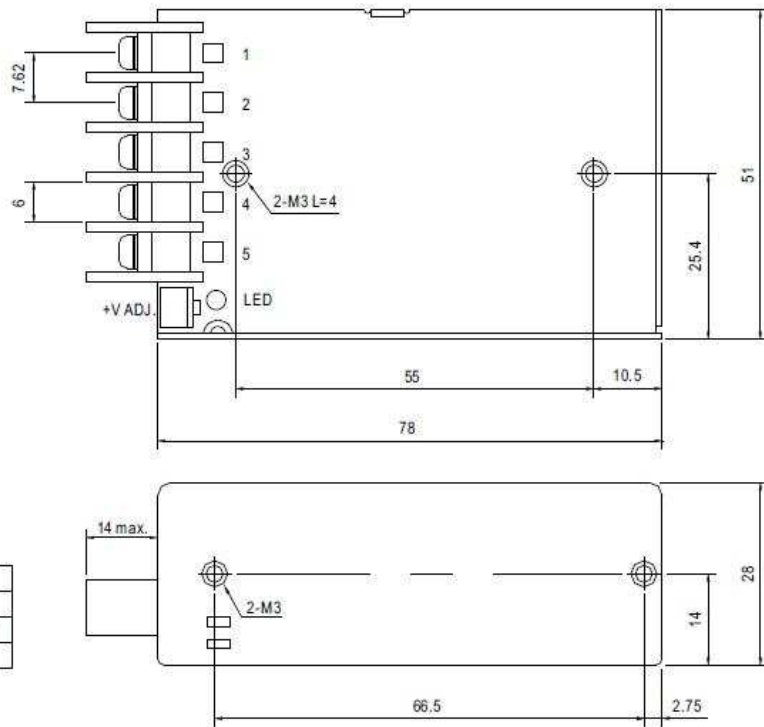
Specification:

| | | |
|----------------------------------|--|---|
| Output | DC Voltage | 40V \pm 1V (adjustable up to 54V via potentiometer) |
| | Rated Current | 0.57A |
| | Rated Power | 27.36W |
| | Ripple & Noise (Note 2) | 200mV p-p |
| | Voltage Tolerance (Note 3) | \pm 1% |
| | Setup, Rise Time | 1800ms,23ms/230VAC 4000ms,30ms/115VAC at full load |
| | Hold Up Time | 80ms /230VAC 14ms/115VAC at full load |
| Input | Voltage Range | 88 ~ 264VAC 125 ~ 373VDC |
| | Frequency Range | 47 ~ 63Hz |
| | Efficiency (Typ.) | 85% |
| | AC Current (Typ.) | 0.7A/115VAC / 0.4A/230VAC |
| | Inrush Current (Typ.) | Cold start 30A/230VAC |
| | Leakage Current | <2mA / 240VAC |
| Protection | Overload | 110 ~ 180% rated output power. Protection type: Hiccup mode, recovers automatically after fault condition is removed. |
| | Over Voltage | 55.2 ~ 64.8V. Protection type: Shut off output voltage, clamping by Zener diode. |
| Environment | Working Ambient Temperature | -10 ~ +50°C |
| | Working Humidity | 20 ~ 90% RH non-condensing |
| | Storage Temperature, Humidity | -40 ~ +85°C, 10 ~ 95% RH |
| | Temperature Coefficient | \pm 0.03%/C (0 ~ 50°C) |
| | Vibration | 10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes |
| Safety & EMC (Note 4) | Safety Standards | UL60950-1, TUV EN60950-1 approved |
| | Withstand Voltage | I/P-O/P:3kVAC I/P-FG:1.5kVAC O/P-FG:0.5kVAC |
| | Isolation Resistance | I/P-OP, I/P-FG, O/P-FG:100MOhm / 500V/ 25°C / 70% RH |
| | EMI Conduction & Radiation | Compliance to EN55022 (CISPR22) Class B |
| | Harmonic Current | Compliance to EN61000-3-2,-3 |
| Other | EMS Immunity | Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, light industry level, criteria A |
| | MTBF | 309700 h minimum MIL-HDBK-217F (25°C) |
| Notes | Dimension | 78mm x 51mm x 28mm (L x W x H) |
| | <ol style="list-style-type: none"> 1. All parameters are measured at 230VAC input and 25°C ambient temperature unless noted otherwise. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor. 3. Tolerance: includes set-up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. | |

MPS-25W-40V DATA SHEET

Mechanical Specification

Unit:mm



Terminal Pin No. Assignment

| Pin No. | Assignment | Pin No. | Assignment |
|---------|------------|---------|--------------|
| 1 | AC/L | 4 | DC OUTPUT -V |
| 2 | AC/N | 5 | DC OUTPUT +V |
| 3 | FG | | |

Block Diagram

fosc: 60KHz

