

# SYS1308


# Plug-in


# 18~24 W

Country of Origin: China

Operating Temperature: 0 °C to 40 °C

Dimensions: 75 x 34 x 43 mm

Efficiency Level: 

Approvals / Marks: 



### Features:

Available as European or US model

Wide range AC 100 V to 240 V / 47 Hz to 63 Hz

Output DC plug: 5.5 x 2.1 x 11 mm or customer requirement

Overload, Over Voltage & Short Circuit protection

1 year warranty

### Specification:

|             |  | OUTPUT  |                  |           |           |                |       |          |            |            |     |
|-------------|--|---|------------------|-----------|-----------|----------------|-------|----------|------------|------------|-----|
| OUTPUT      | MODEL  | Voltage   | min. Load        | max. Load | Tolerance | Ripple & Noise | OCP   | OVP      | Efficiency | Max. Power |     |
|             |  | <b>SYS1308-1808</b>   | 7.5V             | 0A        | 2.4A      | ±5%            | 100mV | 3~5.5A   | 9~11V      | V          | 18W |
|             |  | <b>SYS1308-1809</b>   | 9V               | 0A        | 2A        | ±5%            | 100mV | 2.5~4.5A | 11~14V     | V          | 18W |
|             |  | <b>SYS1308-2412</b>   | 12V              | 0A        | 2A        | ±5%            | 120mV | 3~5.5A   | 14~16V     | V          | 24W |
|             |  | <b>SYS1308-2415</b>   | 15V              | 0A        | 1.6A      | ±5%            | 120mV | 2 ~ 4A   | 17~19V     | V          | 24W |
|             |  | <b>SYS1308-2418</b>   | 18V              | 0A        | 1.33A     | ±5%            | 120mV | 2 ~ 4A   | 20~22V     | V          | 24W |
|             |  | <b>SYS1308-2424</b>   | 24V              | 0A        | 1A        | ±5%            | 240mV | 1.5~4.5A | 26~28V     | V          | 24W |
| INPUT       | Voltage  | 100 ~ 240VAC  |                  |           |           |                |       |          |            |            |     |
|             | Frequency  | 47 ~ 63Hz   |                  |           |           |                |       |          |            |            |     |
|             | Current  | 1A @ 230VAC   |                  |           |           |                |       |          |            |            |     |
|             | Leakage Current                                  | < 0.25mA  |                  |           |           |                |       |          |            |            |     |
|             | Surge Current max.                               | 60A @ 230VAC / 40A @ 115VAC @ 25°C ambient  |                  |           |           |                |       |          |            |            |     |
| PROTECTION  | Overload   | OCP   | Fold back        |           |           |                |       |          |            |            |     |
|             | Over Voltage                                     | OVP   | Voltage limiting |           |           |                |       |          |            |            |     |
|             | Short Circuit                                    | Yes, Output to Ground, Auto recovery after removal of fault   |                  |           |           |                |       |          |            |            |     |
|             | No Load Operation                                | Yes, to protect the power supply and system from damage   |                  |           |           |                |       |          |            |            |     |
| OTHERS      | Setup time                                       | 7s max. @ AC low line Input and Output full load  |                  |           |           |                |       |          |            |            |     |
|             | Holdup time                                      | 10ms @ AC nominal Input and Output full load  |                  |           |           |                |       |          |            |            |     |
|             | Cooling  | Free air convection   |                  |           |           |                |       |          |            |            |     |
|             | Withstand Voltage                                | HI-POT B / I/P-O/P: 3KVAC / 10mA / 1 minute   |                  |           |           |                |       |          |            |            |     |
|             | Power Consumption                                | Max. 0.3W @ AC nominal Input and Output min. load   |                  |           |           |                |       |          |            |            |     |
|             | Input Fuse                                       | 1A protected against power line surges and any abnormal conditions  |                  |           |           |                |       |          |            |            |     |
| Environment | Temperature                                      | Operating: 0 ~ 40°C / Storage: -20 ~ 85°C   |                  |           |           |                |       |          |            |            |     |
|             | Humidity   | Operating: 8% ~ 90% RH / Storage: 5% ~ 95% RH   |                  |           |           |                |       |          |            |            |     |
| Connection  | Cable  | 180cm (6ft.) / SYS1308-2412 only: Ferrite Core Attached   |                  |           |           |                |       |          |            |            |     |
|             | Output Plug                                      | Standard: 5.5 x 2.1 x 11mm (spring loaded center) or customer requirement   |                  |           |           |                |       |          |            |            |     |
| MTBF        | > 50k hours                                      |   |                  |           |           |                |       |          |            |            |     |
| SAFETY      | CB (IEC 60950:1-2001) / GS (EN 60950-1:2006+A11) |   |                  |           |           |                |       |          |            |            |     |
| EMC         | EMI  | EN55022 Class B / FCC part 15 subpart B Class B / EN61000-3-2(2000) / EN61000-3-3(1995)+A1(2001)                                    |                  |           |           |                |       |          |            |            |     |
|             | EMS  | IEC61000-4-2,5,8(2001) / IEC61000-4-3(2002) / IEC61000-4-6(2002)+A1(2003) / IEC61000-4-4,11(2004) / EN55024(1998)+A1(2001)+A2(2003) |                  |           |           |                |       |          |            |            |     |
| WEIGHT      | N.W.: 143 g                                      |   |                  |           |           |                |       |          |            |            |     |