

L6R12 Series

Innovative, reliable, and inexpensive. That's the **L6R12 Series**.

This economical, UL/cUL 62368-1 approved Class II design is a DOE Level VI compliant power supply/charger rated up to 12W when charging any mobile

or wireless device. Plenty of voltage levels to choose from, too. From 5.0Vdc all the way up to 36.0Vdc (in increments of 0.1V), to match your need.

Contact us (800-657-0853 or Sales@Tri-Mag.com) for the part number to match your specifications.

Specifications

Input

| | |
|---------------------|-------------------------|
| Input Voltage | • 90 Vac ~ 264 Vac |
| Input Frequency | • 47 Hz to 63 Hz |
| No Load Input Power | • < 0.1W |
| Input Current | • 1.2A Max. |
| Inrush Current | • 40A Max. |
| Leakage Current | • 0.25mA Max. |
| Input Connection | • US (others available) |

Output

| | |
|--------------------------|--|
| Output Voltage Range | • 5.0 to 36.0 Vdc |
| Output Current Range | • 333 - 2100mA, 12W Max. |
| Minimum Load | • No min. load required. |
| Line Regulation | • $\pm 1\%$ at rated load across input voltage range |
| Load Regulation | • $\pm 5\%$ |
| Ripple & Noise | • 100mVp-p Max. |
| Overvoltage Protection | • Auto recovery |
| Overload Protection | • Auto recovery |
| Short Circuit Protection | • Auto recovery |

General

| | |
|-----------------------|--|
| Insulation Resistance | • 50M Ω Min. |
| Efficiency | • Level VI compliant |
| MTBF | • 50,000 hrs to MIL-HDBK-217F at +25°C |

Environmental

| | |
|-----------------------|-------------------------------|
| Operating Temperature | • 0°C to 40°C |
| Operating Humidity | • 5% - 95% RH, Non-Condensing |
| Storage Temperature | • -20°C to +80°C |

EMC & Safety

| | |
|------------------|----------------------------------|
| Safety Approvals | • UL: ANSI/UL 62368-1 |
| | • cUL: CAN/CSA C22.2 NO. 62368-1 |
| EMC Approvals | • FCC |

Warranty

| | |
|-----------------|-----------|
| Warranty Period | • 3 years |
|-----------------|-----------|

Dimensions and Notes

| | |
|------------------|--|
| Dimensions in mm | |
| Tolerance | • $\pm 0.2\text{mm}$ |
| Size | • 59.0 x 40.9 x 25.5 mm |
| | • 2.32 x 1.60 x 1.00 Inches |
| Weight | • Approx. 105g (3.7 oz.) |
| Connectors | • AC input, US 2-prong inlet plug |
| | • DC output, standard 5.5 x 2.1 x 9.5mm corded dc output plug or per customer specification. |
| Cord length | • 1500 \pm 20 mm (59 \pm .8") |

Mechanical Drawing

