

Constant Current LED Driver



Approval Marks



Certified

EN 61347-1:2008+A1:2011
 EN 61347-2-13:2006
 EN 62384:2006+A1:2009

Electronic

| Parameter | Conditions | Min | Nom | Max | Unit |
|--------------------------|--|--------------------------|-------|-------|------|
| I/P Voltage Range | | 100 | 230 | 240 | Vac |
| Input Frequency | | 47 | 50-60 | 63 | Hz |
| Input current | @230V | - | 55 | - | mA |
| Output Voltage Range | LIC9W200 UNI | 30 | - | 45 | Vdc |
| | LIC9W300 UNI | 20 | - | 30 | Vdc |
| | LIC9W350 UNI | 17.1 | - | 25.7 | Vdc |
| | LIC9W450 UNI | 13.3 | - | 20 | Vdc |
| | LIC9W500 UNI | 12 | - | 18 | Vdc |
| | LIC9W600 UNI | 10 | - | 15 | Vdc |
| | LIC9W700 UNI | 8.6 | - | 12.9 | Vdc |
| Output Current Range | LIC9W200 UNI | 190 | 200 | 210 | mA |
| | LIC9W200 UNI | 190 | 300 | 315 | mA |
| | LIC9W350 UNI | 333 | 350 | 368 | mA |
| | LIC9W450 UNI | 427.5 | 450 | 472.5 | mA |
| | LIC9W500 UNI | 475 | 500 | 525 | mA |
| | LIC9W600 UNI | 570 | 600 | 630 | mA |
| | LIC9W700 UNI | 665 | 700 | 735 | mA |
| Rated Output power | LIC9W200 UNI | 6 | - | 9 | W |
| | LIC9W300 UNI | 6 | - | 9 | W |
| | LIC9W350 UNI | 6 | - | 9 | W |
| | LIC9W450 UNI | 6 | - | 9 | W |
| | LIC9W500 UNI | 6 | - | 9 | W |
| | LIC9W600 UNI | 6 | - | 9 | W |
| | LIC9W700 UNI | 6 | - | 9 | W |
| THD | | - | - | 20 | % |
| Efficiency | Full Load | - | 80 | - | % |
| Standby Power | | - | - | 1 | W |
| Rise Time | | - | 500 | - | ms |
| Start-up Delay | | - | 500 | - | ms |
| Ripple current | LIC9W200 UNI, LIC9W300 UNI | - | 80 | - | % |
| | LIC9W350 UNI, LIC9W450 UNI, LIC9W500 UNI, LIC9W600 UNI, LIC9W700 UNI | - | 60 | - | % |
| Output Current Overshoot | | - | - | 40 | % |
| Power Factor | Full Load | - | 0.90 | - | - |
| Protection | | Short Circuit Protection | | | |
| | | Overload Protection | | | |
| | | Overheat Protection | | | |

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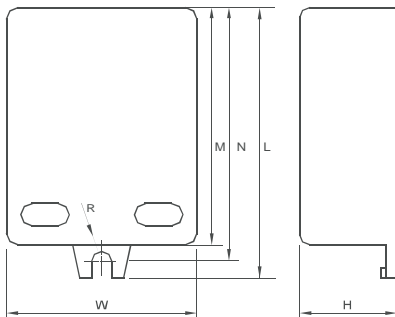
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Electronic

| Parameter | Conditions | Min | Nom | Max | Unit |
|--------------------------------|--|------|-----------|--------|------|
| RoHS Standard | | | Compliant | | |
| Case Temp. (Tc) | LIC9W200 UNI, LIC9W300 UNI, LIC9W350 UNI, LIC9W600 UNI, LIC9W700 UNI | | | 80 | °C |
| | LIC9W450 UNI, LIC9W500 UNI | - | - | 85 | °C |
| External Operating Temperature | | -20 | - | +50 | °C |
| Operating humidity range | | 10 | - | 90 | % |
| Storage Temp. range | | -25 | - | +85 | °C |
| Lifetime | at Max Case hot spot Temperature | - | - | 30,000 | hrs |
| Case Dimensions | L x W x H | 58.1 | 39.1 | 20 | mm |

Physical

Parameter



L : 58.1 mm H : 20 mm
 M : 51.1 mm R : 2.1 mm
 N : 54.6 mm
 W : 39.1 mm

Tolerance : $\geq 0 \sim 100 \geq \pm 0.5 \text{ mm}$
 $100 \geq \pm 1 \text{ mm}$

Slot On One Side Allowing Alignment : $M \pm 3 \text{ mm}$

Terminal Block : PRI : Screw Type
 SEC : Screw Type

Housing Material : Polycarbonate

Soldering : Lead-Free, Comply With RoHS

Label : Surface Print

Wiring Diagram

