50W TRC-050S110SC
Switch Mode LED Drivers - Constant Current

Electrical Specifications
Input Voltage Range: 100 - 277 Nom. Vac (90 - 305 V Min/Max) or 108-250 Vdc
Frequency: 50/60 Hz Nom. (47-63 Hz Min/Max)
Power Factor: >0.90 @ full load, 100V through 277V
Inrush Current: 60 A @ 230Vac
Input Current: 0.54 A @ 100 Vac, 0.35 A @ 220 Vac
Maximum Power: 50W
Line Regulation: ± 3%
Load Regulation: ± 5%
Protection: Over-Voltage, Over-Current, Over-Temperature, Short Circuit Protection with Auto Recovery

Environmental Specifications
Operating Temperature: -35°C to +90°C
Maximum Case Temp. 90°C
Storage Temperature: -40°C to +85°C
Humidity: 10% to 100%
Cooling: Convection
MTBF: 487,000 Hours @ 25°C, 80% load, 110Vac input
Lifetime: 66,000 Hours @ 45°C, 80% load, 110Vac input

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Output Current (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Output Power Max (W)</th>
<th>Typical Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRC-050S110SC</td>
<td>1100</td>
<td>14-40</td>
<td>50W</td>
<td>90%</td>
</tr>
</tbody>
</table>

Safety and EMC Compliance
- UL 8750, Compliance to UL1310, Class 2
- EN 61347-1, EN61347-2-13
- EN 55015 Conducted emission
- EN 61000-3-2 Harmonic current emissions
- EN 61000-3-3 Voltage fluctuations and flicker
- EN 61000-4-2 Electrostatic discharge
- EN 61000-4-3 RFE Field Susceptibility test
- EN 61000-4-4 Electrical Fast Transient
- EN 61000-4-5 Surge Immunity test: AC Power Line; Limit to line 2kV, Line to ground 4kV
- EN 61000-4-6 Conducted Radio Frequency
- EN 61000-4-8 Power Frequency Magnetic Field Test
- EN 61000-4-11 Voltage Dips
- EN 61547 Electromagnetic Immunity

Note:
LED drivers are designed and intended to operate LED loads only. Non-LED loading may be outside the specified design limits of our LED driver, and therefore cannot be covered by any warranty. If you desire to use our LED drivers to operate non-LED loads please contact us to discuss compatibility.

Specifications subject to change without notice.