**Mold Type Thick Film Resistors**

**SLR**

**Mold Type Thick Film Resistors**

- **Construction**

  - **Dimensions**
  - **Type Designation**

- **Features**
  - Thick film resistor protected by liquid crystal polymer resin
  - Excellent heat cycle
  - Products meet EU-RoHS requirements. EU-RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.
  - AEC-Q200 qualified.

- **Applications**
  - Automotive ECU, etc.
  - Industrial Batteries, etc.

- **Reference Standards**
  - IEC 60115-1
  - JIS C 5201-1

- **Ratings**

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</thead>
<tbody>
<tr>
<td>SLR1</td>
<td>1W</td>
<td>70°C</td>
<td>90°C</td>
<td>301m<del>1M 301m</del>1M 330m~1M</td>
<td>±100</td>
<td>200V</td>
<td>400V</td>
<td>−55°C~+180°C</td>
<td>1,000 2,000</td>
</tr>
</tbody>
</table>

**Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS.**

For further information on taping, please refer to APPENDIX C on the back pages.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

Contact our sales representatives before you use our products for applications including automotive, medical equipment and aerospace equipment.

Malfunction or failure of the products in such applications may cause loss of human life or serious damage.
■ Derating Curve

For resistors operated at an ambient temperature of 70°C or higher, the power shall be derated in accordance with the above derating curve.

■ Temperature Rise

Regarding the temperature rise, the value of the temperature varies per conditions and board for use since the temperature is measured under our measuring conditions.

■ One-Pulse Limiting Electric Power

The maximum applicable voltage is equal to the max. overload voltage. Please ask us about the resistance characteristic of continuous applied pulse. The pulse endurance values are not assured values, be sure to check the products on actual equipment when you use them.

■ Performance

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<th>Test Items</th>
<th>Performance Requirements</th>
<th>Test Methods</th>
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<tr>
<td></td>
<td>ΔR±% Limit</td>
<td>Typical</td>
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<tr>
<td>Resistance</td>
<td>Within specified tolerance</td>
<td>—</td>
</tr>
<tr>
<td>T.C.R.</td>
<td>Within specified T.C.R.</td>
<td>—</td>
</tr>
<tr>
<td>Overload (Short time)</td>
<td>1, 0.1</td>
<td>Rated power×5 for 5s</td>
</tr>
<tr>
<td>Resistance to soldering heat</td>
<td>1, 0.3</td>
<td>260°C±5°C, 10s±1s</td>
</tr>
<tr>
<td>Rapid change of temperature</td>
<td>1, 0.4</td>
<td>−55°C(3min.) /+155°C(30min.)1000 cycles</td>
</tr>
<tr>
<td>Moisture resistance</td>
<td>2, 0.2</td>
<td>40°C±2°C, 90%〜95%RH 1000h 1.5h ON/0.5h OFF cycles</td>
</tr>
<tr>
<td>Endurance at 70°C</td>
<td>2, 0.2</td>
<td>70°C±2°C, 1000h 1.5h ON/0.5h OFF cycles</td>
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</table>

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