Performances and Features:
Coated with epoxy  
Small volume  
Quick response  
Good reliability  
High sensitivity  
Good spectrum characteristic

Typical Applications
Camera automation photometry  
Indoor sunlight control  
Industrial control  
Optical control lamp  
Photometric control  
Annunciator  
Optical control switch  
Electronic toy

Standard Type and Specification

<table>
<thead>
<tr>
<th>Specification</th>
<th>Type</th>
<th>Maximum voltage</th>
<th>Maximum power</th>
<th>Enviromental temperature</th>
<th>Spectrum peak value</th>
</tr>
</thead>
<tbody>
<tr>
<td>GL12528</td>
<td></td>
<td>250V</td>
<td>200mW</td>
<td>–30°C to +70°C</td>
<td>560nm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GL12528</th>
<th>Light resistance (10Lux)</th>
<th>Dark resistance</th>
<th>Response time</th>
<th>Illuminance resistance characteristic</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10-20KΩ</td>
<td>2MΩ</td>
<td>0.7</td>
<td>30ms Increase 30ms Decrease</td>
</tr>
</tbody>
</table>

Testing Conditions
Max external voltage: Maximum voltage to be continuously given to component in the dark.
Max power consumption: Maximum power at the enviromental temperature 25°C.
Light resistance: Irradiate by 400-600Lux light for two hours, then test with 10Lux under standard light source A (as colour temperature 2856K).
Dark resistance: Refer to the resistance value ten seconds after the 10Lux light is shut up.

Main Characteristics
Curve and Dimensions

Schematic Drawing
Light Dependent Resistor
GL12528
Order code: 58-0135

Relative Resistance (%) vs Temperature (°C)

Relative Response (%) vs Wavelength λ (nm)

Illuminance-Resistance Characteristics Curve