PHOTORESISTORS

5mm LDR Radial Lead Types

Description
Photoconductive cells are sensors that allow you to detect light. They are small, inexpensive, low-power, easy to use, and don’t wear out. NTEs light-dependent resistors (LDR) are photoresistors whose resistance decreases with increasing incident light intensity. In other words, when it is dark, they have a high electrical resistance and when it is light, their electrical resistance is low.

Features
- Epoxy Encapsulated
- Small Size
- Reliable Performance
- Quick Response
- High Sensitivity
- Good Characteristic of Spectrum

Typical Applications
- Digital Applications
  - Automatic Headlight Dimmer
  - Night/Streetlight Control
  - Photoelectric Control
  - Industrial Control
  - Security System
- Analog Applications
  - Camera Exposure Control
  - Automatic Gain Control

Specifications
- Maximum Voltage: 100VDC
- Spectral Response Peak: 540nm
- Ambient Temperature Range: −30° to +70°C

<table>
<thead>
<tr>
<th>NTE Type</th>
<th>Power Dissipation (mW)</th>
<th>Light Resistance (10Lux)(KΩ)</th>
<th>Dark Resistance (KΩ)</th>
<th>γ</th>
<th>100</th>
<th>Response Times</th>
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<tbody>
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<td></td>
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<td>Increase</td>
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<td>100 – 200</td>
<td>10.0</td>
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