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. NTE’s 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
● 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°C to +70°C

<table>
<thead>
<tr>
<th>NTE Type</th>
<th>Power Dissipation (mW)</th>
<th>Light Resistance (10Lux)(KΩ)</th>
<th>Dark Resistance (MΩ)</th>
<th>γ</th>
<th>100/10</th>
<th>Response Times</th>
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<td>Increase</td>
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<tr>
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<td>100 – 200</td>
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NTE Electronics, Inc. • Voice (973) 748–5089 • FAX (973) 748–6224 • http://www.nteinc.com