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Luna Optoelectronics NORPS-12 LDR (Light Dependent Resistor) 5.4 k Ω Light, 1M Ω Dark, 2-Pin TO-18

RS Stock No.: **651-507** | Mfr. Part No.: **NORPS-12** | Brand: [Silonex](#)



Discontinued product

Technical Reference

[Light dependent resistors](#)

[Datasheet](#)

Legislation and Compliance

[RoHS Status: Not Applicable](#)

[Statement of conformity](#)

Product Details

CdS cell, NSL series, Silonex

Light dependent resistors are two cadmium sulphide (cDS) photoconductive cells with responses similar to that of the human eye. The cell resistance falls with increasing light intensity.

Solid-state photosensor that uses photoconductivity to lower resistance value when irradiated with light

Ceramic package with sensitivity up to 690 nm

TO-5 and TO-18 packages

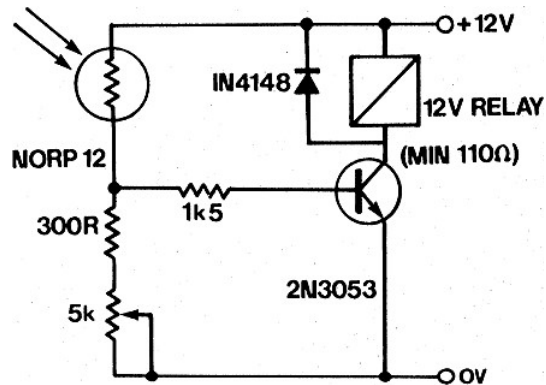
Suitable for use in applications like street light auto-flashers and camera light metres



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Applications

Applications include
Smoke detection
Automatic lighting
Control batch counting
Burglar alarm systems



Photodiodes, Silonex

Specifications

Attribute	Value
Minimum Light Resistance	5.4 kΩ
Dark Resistance	1MΩ
Typical Fall Time	55ms
Typical Rise Time	45ms
Resistor Material	CdS
Number of Pins	2
Mounting Type	Through Hole
Package Type	TO-18
Maximum Light Resistance	12.6kΩ
Maximum Operating Temperature	+75°C
Minimum Operating Temperature	-60°C
Power Dissipation	50mW
Operating Temperature Range	-60 → +75°C
Light Resistance Range	5.4 kΩ → 12.6 kΩ
Voltage Rating	250 V

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£0.147

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£0.399

[Murata Variable Capacitor 3 → 10pF 100V dc](#)
£0.278

[Infineon BFP640ESDH6327 NPN SiGe Bipolar Transistor, 50 mA, 4.1 V, 4-Pin SOT-343](#)
£0.152

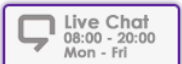
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[TE Connectivity SM Series Metal Film High Power Surface Mount Resistor 1MΩ ±5% 3W ±100ppm/°C](#)
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