

## Product Overview

### KDT00030: Phototransistor Photo Detector

For complete documentation, see the data sheet.

The KDT00030 / KDT00030A are small, low-profile photo detectors. They incorporate a phototransistor detector chip, which makes them an ideal choice for low-cost ambient light measurement applications, like mobile appliances backlighting

### Features

- Spectral Response Close to Human Eye
- Good Output Linearity Across Wide Illumination Range
- Small Footprint: 1.7 mm x 0.8 mm
- Low Profile: 0.6 mm
- Phototransistor with Filter Technology

### Applications

- This product is general usage and suitable for many different applications.

### End Products

- Cell Phones
- Notebook PCs
- PDAs
- Digital Still Cameras

### Part Electrical Specifications

Product	Compliance	Status	I <sub>o</sub> Typ (μA)	Output Interface	V <sub>in</sub> Min (V)	V <sub>in</sub> Max (V)	T <sub>A</sub> Min (°C)	T <sub>A</sub> Max (°C)	Package Type
KDT00030ATR	Pb-free	Active		Analog		6	25		CHIPLED ALS
	Halide free								
KDT00030TR	Pb-free	Active		Analog		6	25		PLCC-2
	Halide free								

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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