

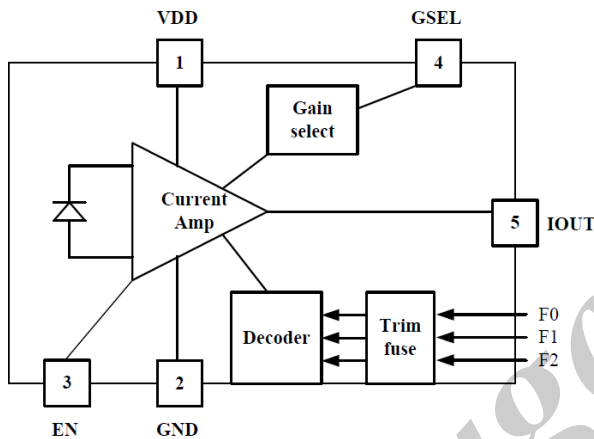
Descriptions

The AL6120 is a low cost silicon light sensor with spectral response that closely emulates the human eye. The photo sensor is a PN junction diode array with a linear, accurate, and very repeatable current transfer function.

High gain current mirrors and current to voltage transform on the chip multiply the PN diode photo-current to a sensitivity level that can be voltage scaled with a standard value external resistor.

Usable ambient light conditions range is up to 10K lux and having gain select function for different ambient light environment.

Function Block Diagram



Features

- Close to human eyes spectral response
- Linear output current
- Up to 10K lux range
- 3 steps selectable output current
- Temperature stable
- Integrated high gain current amplifiers
- Built-in shutdown mode

Applications

- Mobile phone, PDA
- Personal Navigation Device
- Notebook, LCD Monitor
- LCD/PDP TV backlight systems
- Digital Photo Frame

Pin Description

| AL 6120 | |
|---------|--------|
| 1 VDD | IOUT 6 |
| 2 GND | NC 5 |
| 3 EN | GSEL 4 |

Ordering Information

| Part No. | Packing Type | Package | Quantity |
|----------|----------------------|----------------------------------|----------|
| AL6120 | Tape and Reel (MSL3) | 6Ld Chipled 1.6 x 1.6 x 0.7mm | 2,500 |

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