

Features: Compact moisture resistant package

Lowest "on" resistance

Low distortion

Ideal for Hi-Fi stereo applications

Storage Temperature: -30 to +80 °C

Operating Temperature: -30 to +80 °C

Soldering Temperature: 260 °C <10s

Isolation Voltage(peak): 2000V

- Linear Output Type Light Sensor
- RoHS Compliant / Pb-free / Cd-free



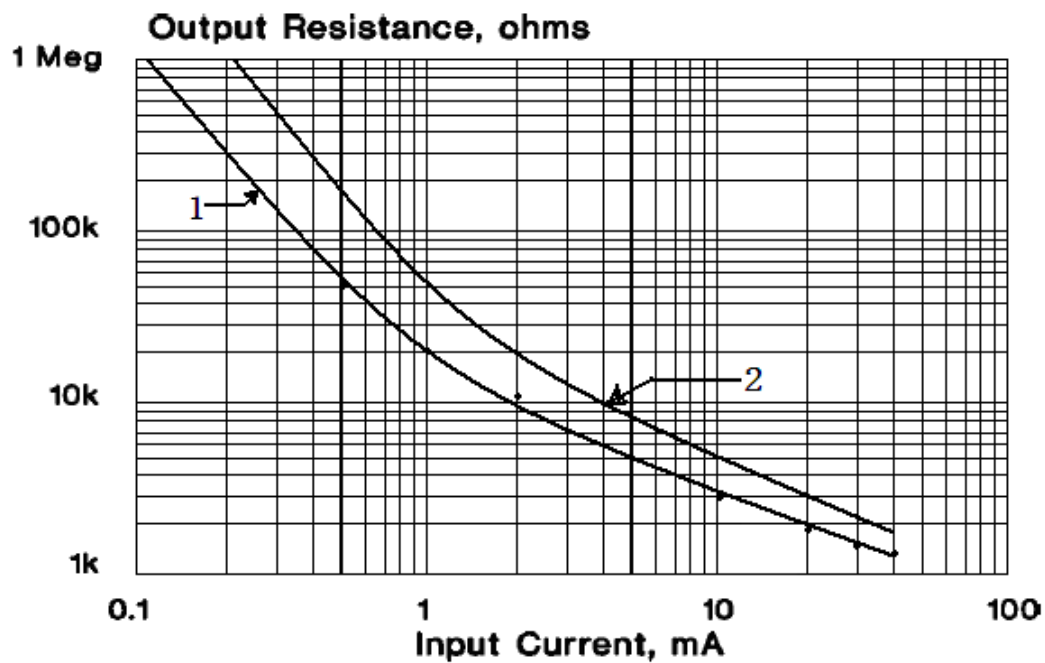
| Symbol | Parameter | Min | Typ | Max | Units | Test Conditions |
|------------------|-----------------------|------|-----|-----|-------|---|
| LED | | | | | | |
| I _F | Forward Current | | | 40 | mA | (Derate Linearly to 0 at 75°C) |
| V _F | Forward Voltage | | | 2.5 | V | I _F = 16 mA |
| I _R | Reverse Current | | | 100 | μA | V _R =3.8V |
| Cell | | | | | | |
| V _C | Maximum Cell Voltage | | | 60 | V | (Peak AC or DC) |
| P _D | Power Dissipation | | | 50 | mW | (Derate Linearly to 0 at 75°C) |
| Coupled | | | | | | |
| R _{ON} | On Resistance | | 6.0 | | KΩ | I _F = 0.5mA** |
| R _{OFF} | Off Resistance | 10.0 | | | MΩ | 10sec after I=0.3Vdc on cell |
| T _R | Rise Time | | | 3.0 | msec | Time to 63% of final conductance @ I _F = 16 mA*** |
| T _F | Decay Time | | | 50 | msec | Time to 100KΩ after removal of input @ I _F = 16 mA |
| | Cell Temp Coefficient | | 1.0 | | % °C | I _F >5 mA |

* 2mm from case for < 5 sec

** measured after a dark history of 1 week

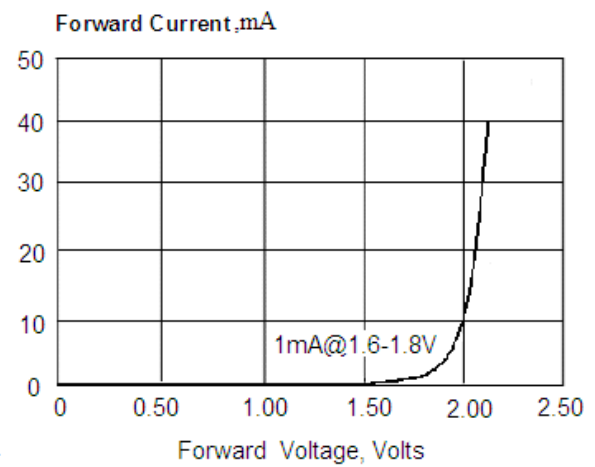
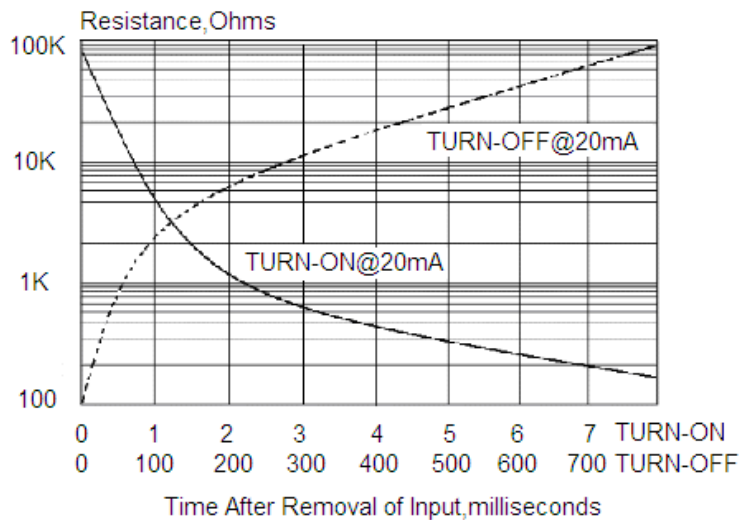
*** Rise time is the time for the dark change in conductance to reach 63% of its final value

Output Resistance vs. Forward Current



Rise/Fall Time vs. Load Resistance

LED Forward Current vs. Forward Voltage



Dimensional Outline and Connection(Unit:mm)

