

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

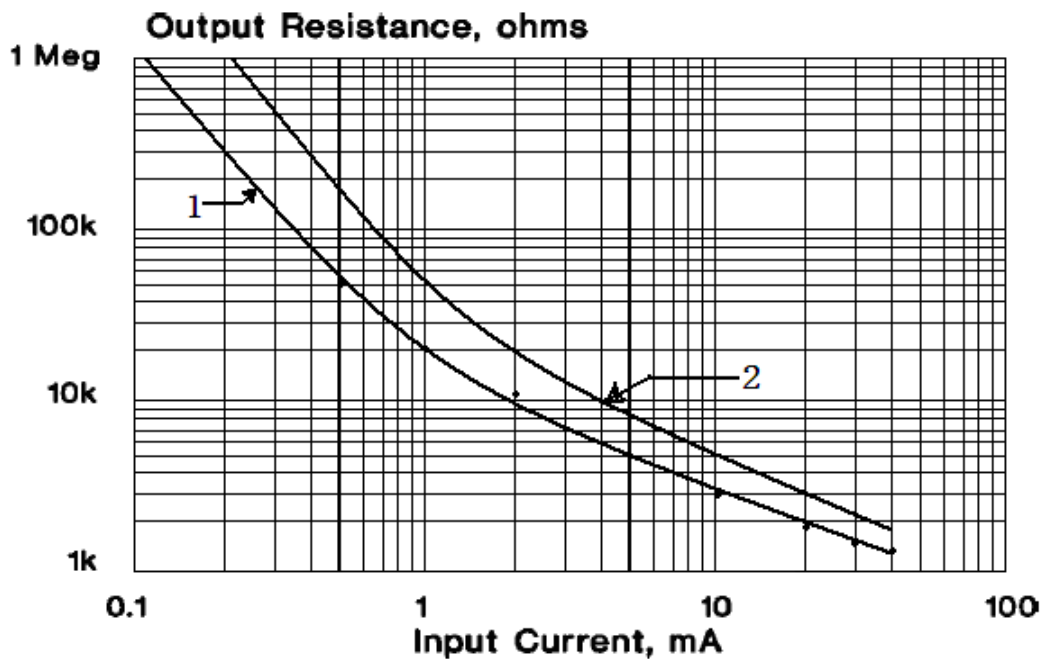
- Linear Output Type Light Sensor
- RoHS Compliant / Pb-free / Cd-free



| Symbol | Parameter | Min | Typ | Max | Units | TestConditions |
|---------|-----------------------|------|-----|-----|-------|---|
| LED | | | | | | |
| IF | Forward Current | | | 40 | mA | (Derate Linearly to 0 at 75°C) |
| VF | Forward Voltage | | | 2.5 | V | IF = 16 mA |
| IR | Reverse Current | | | 100 | µA | VR=3.8V |
| Cell | | | | | | |
| Vc | Maximum Cell Voltage | | | 60 | V | (Peak AC or DC) |
| Pd | Power Dissipation | | | 50 | mW | (Derate Linearly to 0 at 75°C) |
| Coupled | | | | | | |
| RON | On Resistance | 4. 0 | | 7.0 | KΩ | IF = 0.5mA** |
| ROFF | Off Resistance | 10.0 | | | MΩ | 10sec after I=0.3Vdc on cell |
| TR | Rise Time | | | 2.5 | msec | Time to 63% of final conductance @ IF = 16 mA *** |
| TF | Decay Time | | | 35 | msec | Time to 100KΩ after removal of input @ IF = 16 mA |
| | Cell Temp Coefficient | | 1.0 | | %°C | IF >5 mA |

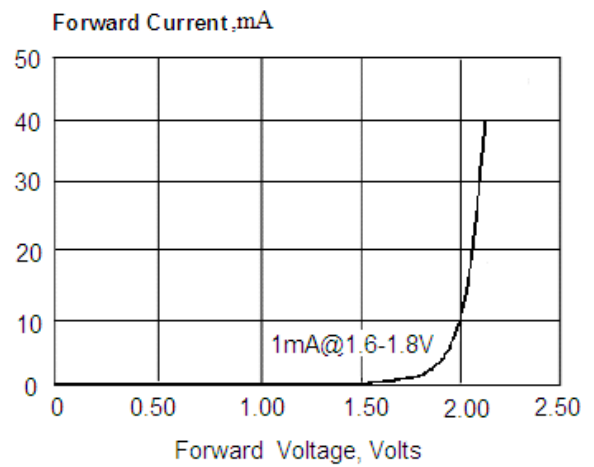
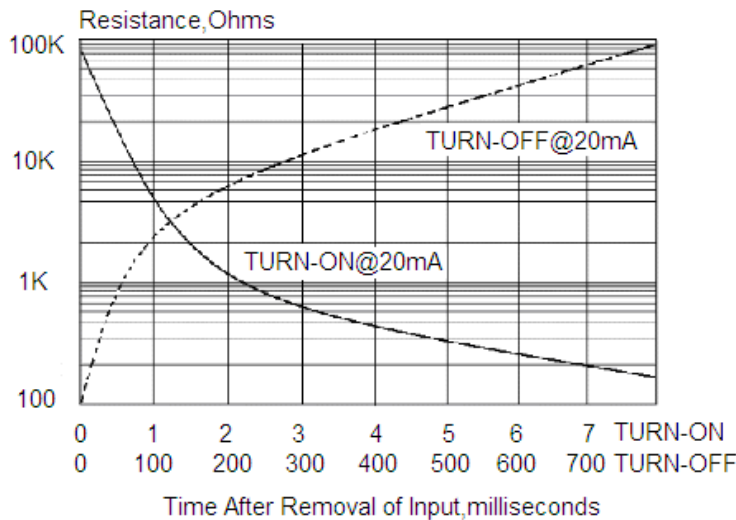
* 2mm from case for < 5 sec
 ** measured after a dark history of 1 week
 *** Rise time is the time for the dark change in conductance to reach 63% of its final value

Output Resistance vs. Forward Current



Rise/Fall Time vs. Load Resistance

LED Forward Current vs. Forward Voltage



Dimensional Outline and Connection (Unit:mm)

