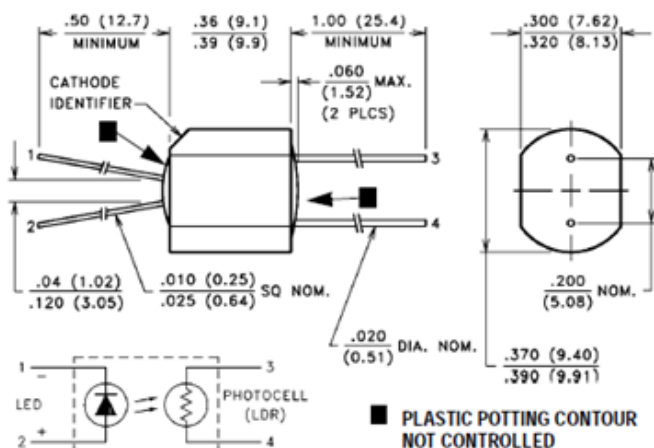


Dimensional Outline and Pin Connection inch(mm)



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 &lt;10s

Isolation Voltage(peak): 2000V

## Output Resistance vs. Forward Current

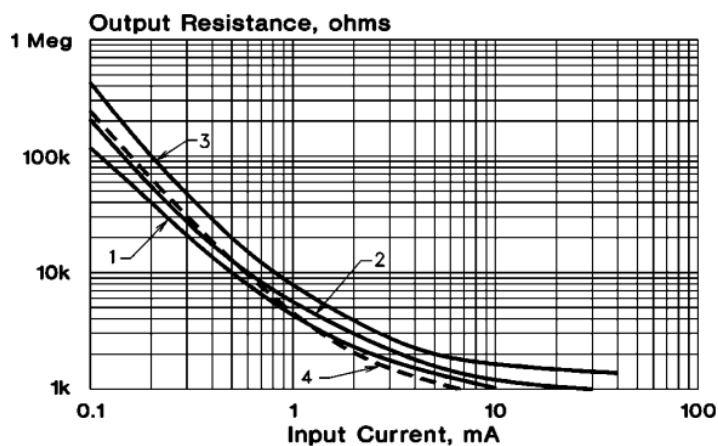
| Symbol         | Parameter             | Min | Typ | Max | Units | Test Conditions                                   |
|----------------|-----------------------|-----|-----|-----|-------|---------------------------------------------------|
| <b>LED</b>     |                       |     |     |     |       |                                                   |
| <b>IF</b>      | Forward Current       |     |     | 40  | mA    | (Derate Linearly to 0 at 75°C)                    |
| <b>VF</b>      | Forward Voltage       |     |     | 2.0 | V     | IF = 16 mA                                        |
| <b>IR</b>      | Reverse Current       |     |     | 100 | μA    | VR=3.8V                                           |
| <b>Cell</b>    |                       |     |     |     |       |                                                   |
| <b>VC</b>      | Maximum Cell Voltage  |     |     | 60  | V     | (Peak AC or DC)                                   |
| <b>PD</b>      | Power Dissipation     |     |     | 50  | mW    | (Derate Linearly to 0 at 75°C)                    |
| <b>Coupled</b> |                       |     |     |     |       |                                                   |
| <b>RON</b>     | On Resistance         |     |     |     |       |                                                   |
|                |                       | 10  |     | 20  | KΩ    | IF = 0.5 mA**                                     |
|                |                       |     | 1.5 |     | KΩ    | IF = 5 mA**                                       |
| <b>ROFF</b>    | Off Resistance        |     | 10  |     | MΩ    | 10sec after I=0.3Vdc on cell                      |
| <b>TR</b>      | Rise Time             |     | 4.0 |     | msec  | Time to 63% of final conductance @ IF = 16 mA *** |
| <b>TF</b>      | Decay Time            |     | 60  |     | msec  | Time to 1MΩ after removal of input @ IF = 16 mA   |
|                | Cell Temp Coefficient |     | 1.0 |     | %°C   | IF >5 mA                                          |

\* 2mm from case for &lt; 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

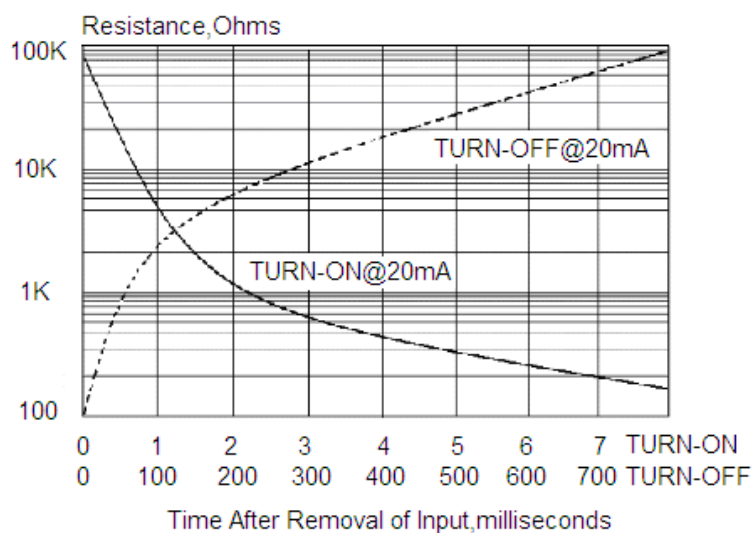
## Output Resistance vs. Forward Current



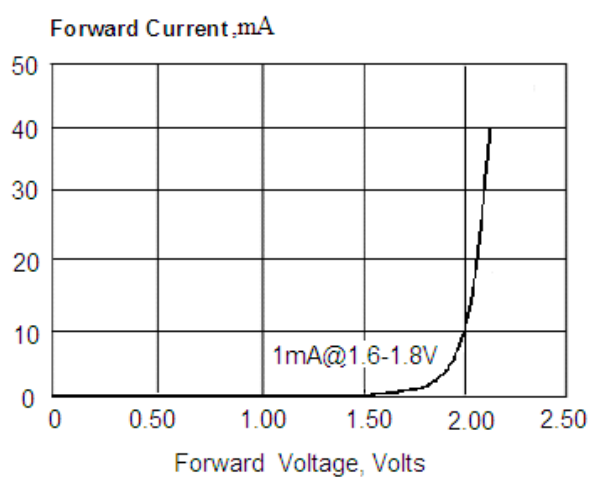
Output resistance vs input current transfer curves are given for the following light adapt conditions:

- (1) 25°C — 24 hours @ no input
- (2) 25°C — 24 hours @ 40 mA input
- (3) +50°C — 24 hours @ 40 mA input
- (4) -20°C — 24 hours @ 40 mA input

## Rise/Fall Time vs. Load Resistance



## LED Forward Current vs. Forward Voltage



规格书各项参数仅供使用参考  
用户标准以样品为准