

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**



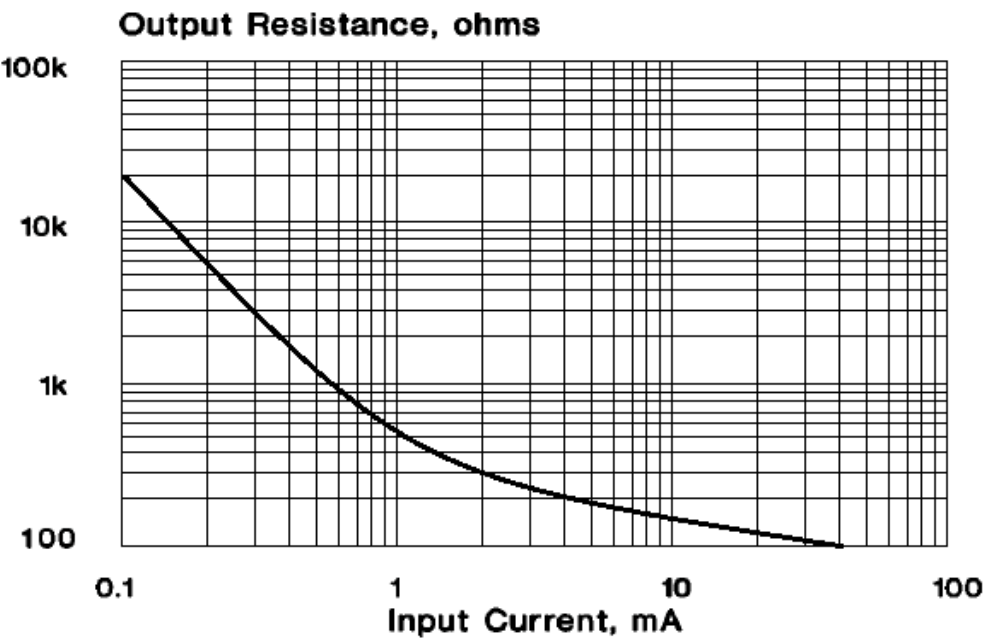
Symbol	Parameter	Min	Typ	Max	Units	Test Conditions
LED						
I _F	Forward Current			40	mA	(Derate Linearly to 0 at 75°C)
V _F	Forward Voltage			2.5	V	I _F = 16 mA
I _R	Reverse Current			100	μA	V _R =3.8V
Cell						
V _C	Maximum Cell Voltage			60	V	(Peak AC or DC)
P _D	Power Dissipation			50	mW	(Derate Linearly to 0 at 75°C)
Coupled						
R _{ON}	On Resistance		1.5		KΩ	I _F = 0.5mA**
R _{OFF}	Off Resistance		2.0		MΩ	10sec after I=0.3Vdc on cell
T _R	Rise Time			4.0	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

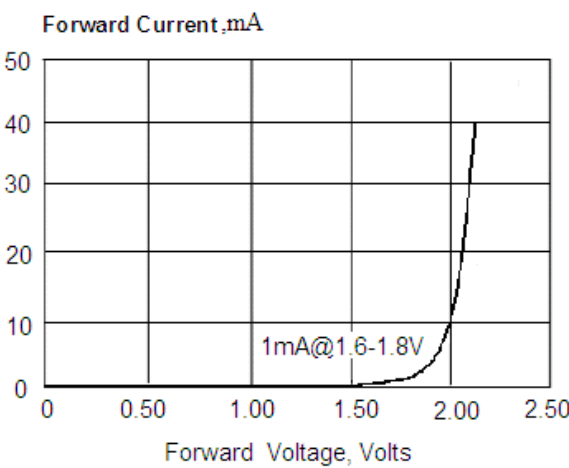
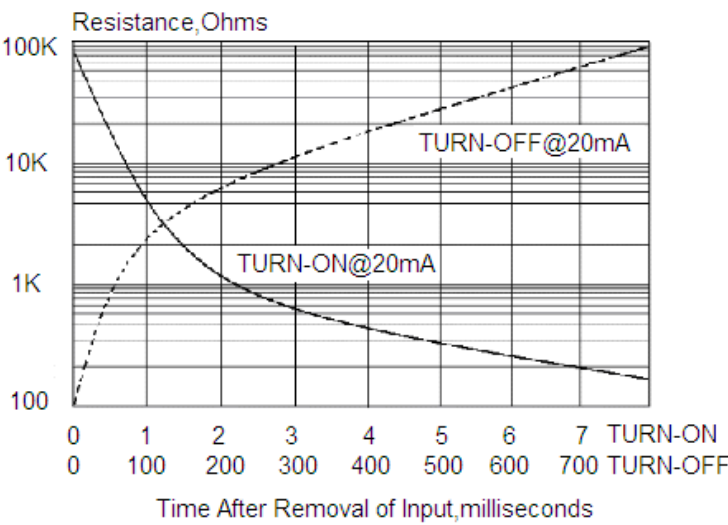
*** Rise time is the time for the dark change in conductance to reach 63% of its final value

Output Resistance vs. Forward Current



Rise/Fall Time vs. Load Resistance

LED Forward Current vs. Forward Voltage



Dimensional Outline and Connection(Unit:mm)

