

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



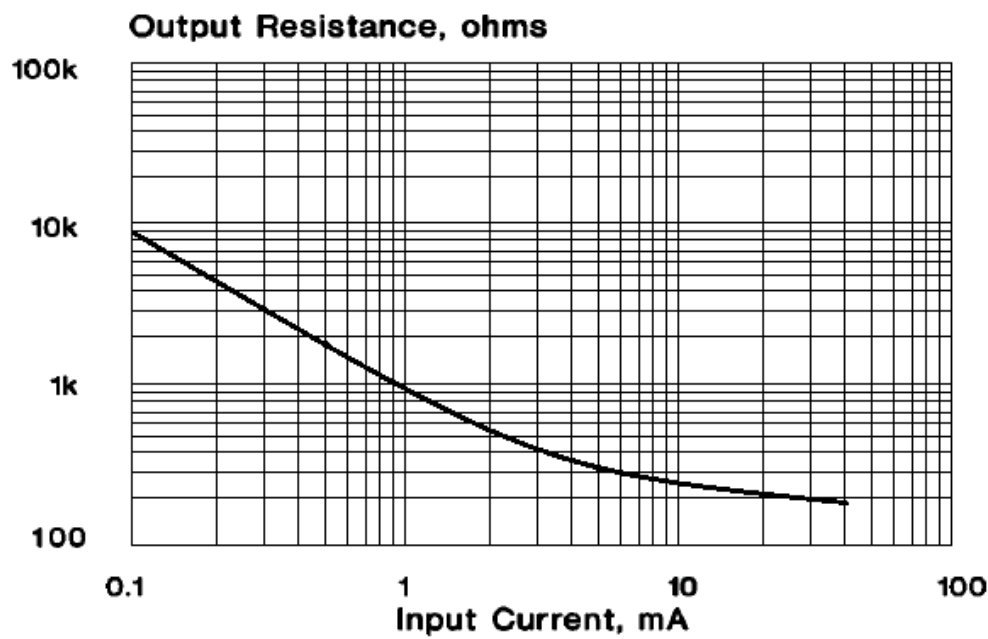
Symbol	Parameter	Min	Typ	Max	Units	Test Conditions
LED						
I <sub>F</sub>	Forward Current			40	mA	(Derate Linearly to 0 at 75°C)
V <sub>F</sub>	Forward Voltage			2.5	V	I <sub>F</sub> = 16 mA
I <sub>R</sub>	Reverse Current			100	μA	V <sub>R</sub> =3.8V
Cell						
V <sub>C</sub>	Maximum Cell Voltage			60	V	(Peak AC or DC)
P <sub>D</sub>	Power Dissipation			50	mW	(Derate Linearly to 0 at 75°C)
Coupled						
R <sub>ON</sub>	On Resistance		2		KΩ	I <sub>F</sub> = 0.5mA**
R <sub>OFF</sub>	Off Resistance		2.0		MΩ	10sec after I=0.3Vdc on cell
T <sub>R</sub>	Rise Time			6.0	msec	Time to 63% of final conductance @ I <sub>F</sub> = 16 mA***
T <sub>F</sub>	Decay Time			1.5	sec	Time to 100KΩ after removal of input @ I <sub>F</sub> = 16 mA
	Cell Temp Coefficient		1.0		% °C	I <sub>F</sub> >5 mA

\* 2mm from case for < 5 sec

\*\* measured after a dark history of 1 week

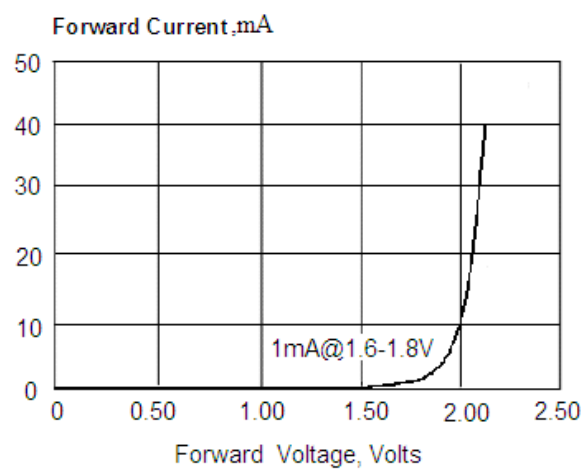
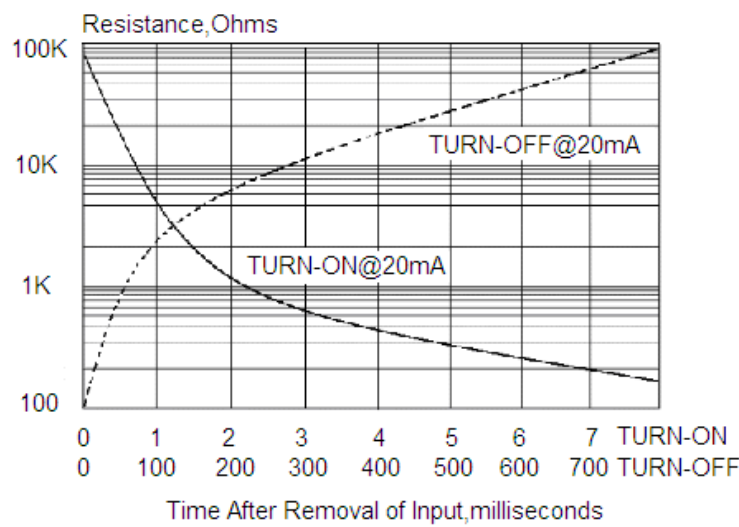
\*\*\* Rise time is the time for the dark change in conductance to reach 63% of its final value

Output Resistance vs. Forward Current



Rise/Fall Time vs. Load Resistance

LED Forward Current vs. Forward Voltage



Dimensional Outline and Connection(Unit:mm)

