

### Features

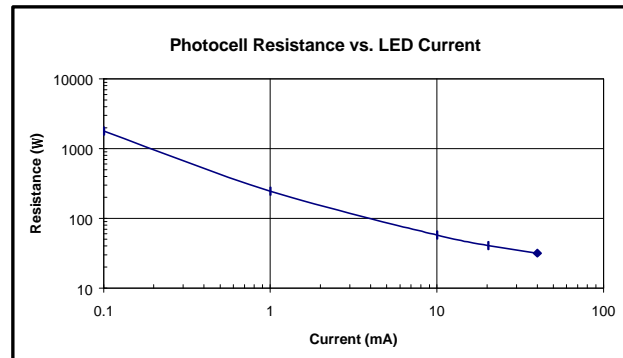
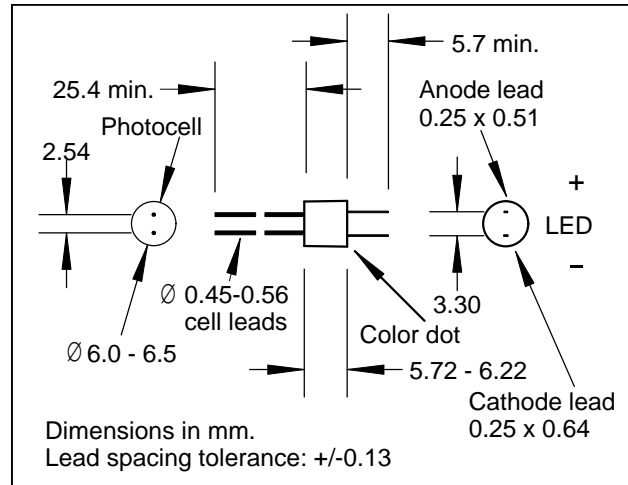
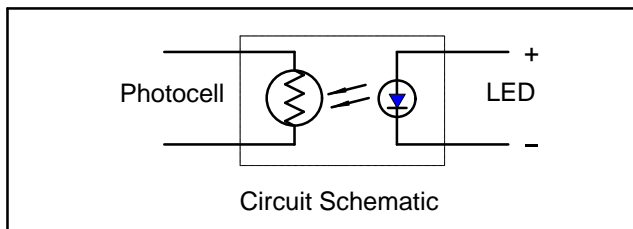
- Compact, moisture resistant package
- Lowest "on" resistance
- Very low LED current
- Passive resistance output
- Low distortion

### Description

This optocoupler consists of an LED input optically coupled to a photocell. The photocell resistance is high when the LED current is "off" and low resistance when the LED current is "on".

### Absolute Maximum Ratings

Storage Temperature	-40 to +75°C
Operating Temperature	-40 to +75°C
Soldering Temperature (1)	260°C
Isolation Voltage (peak)	2000V



### Electrical Characteristics (T<sub>A</sub>=25°C)

Symbol	Parameter	Min.	Typ.	Max.	Units	Test Conditions
<b>LED</b>						
I <sub>F</sub>	Forward Current			25	mA	
V <sub>F</sub>	Forward Voltage			2.5	V	I <sub>F</sub> = 20 mA
I <sub>R</sub>	Reverse Current			10	μA	V <sub>R</sub> = 4V
<b>Cell</b>						
V <sub>C</sub>	Maximum Cell Voltage			60	V	(Peak AC or DC)
P <sub>D</sub>	Power Dissipation			50	mW	(2)
<b>Coupled</b>						
R <sub>ON</sub>	On Resistance			40	Ω	I <sub>F</sub> = 20 mA
			140		Ω	I <sub>F</sub> = 1 mA
R <sub>OFF</sub>	Off Resistance	1	5		MΩ	10 sec after I <sub>F</sub> = 0, 5Vdc on cell.
T <sub>R</sub>	Rise Time		5		msec	Time to 63% of final conductance @ I <sub>F</sub> = 20mA
T <sub>F</sub>	Decay Time		80		msec	Time to 100KΩ after removal of I <sub>F</sub> = 20mA
	Cell Temp Coefficient		0.7		%/°C	I <sub>F</sub> > 5 mA

Specifications subject to change without notice  
 Note: (1) >2 mm from case for <5 sec.  
 (2) Derate linearly to 0 at 75°C

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