

### Features

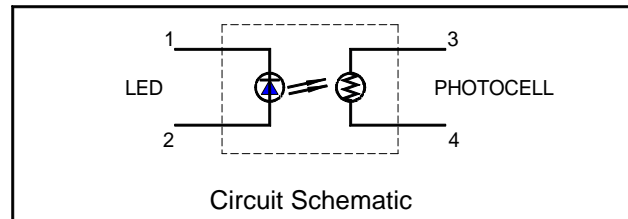
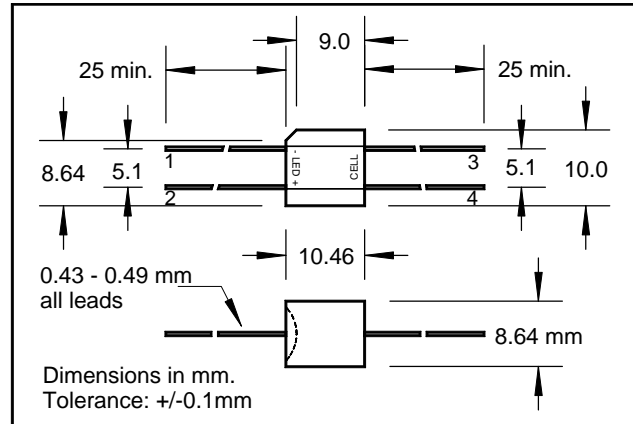
- Compact, moisture resistant package
- Low LED current
- Passive resistance output

### 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 (2)	260°C
Isolation Voltage (peak)	2500V



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

Symbol	Parameter	Min	Typ	Max	Units	Test Conditions
<b>LED</b>						
I <sub>F</sub>	Forward Current			40	mA	
V <sub>F</sub>	Forward Voltage			2.5	V	I <sub>F</sub> = 20 mA
V <sub>R</sub>	Reverse Voltage			3.0	V	
<b>Cell</b>						
V <sub>C</sub>	Maximum Cell Voltage			100	V	(Peak AC or DC)
P <sub>D</sub>	Power Dissipation			175	mW	(1)
<b>Coupled</b>						
R <sub>ON</sub>	On Resistance (3)		75		KΩ	I <sub>F</sub> = 1.0 mA
			10		KΩ	I <sub>F</sub> = 10 mA
			2.0	3.5	KΩ	I <sub>F</sub> = 40 mA
R <sub>OFF</sub>	Off Resistance	100			MΩ	10 sec after I <sub>F</sub> = 0.
T <sub>R</sub>	Rise Time		3.5		msec	Time to 63% of final conductance @ I <sub>F</sub> =1mA (4)
T <sub>F</sub>	Decay Time			50	msec	Time to 1MΩ

Specifications subject to change without notice.

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- Note:
- (1) Derate linearly to 0 at 75°C
  - (2) >2 mm from case for <5 sec.
  - (3) Measured after 24 hours at 20 mA.
  - (4) The Rise Time, T<sub>R</sub>, is the time required for the dark to light change in conductance to reach 63% of its final value