

## PHOTOVOLTAIC MOSFET DRIVER

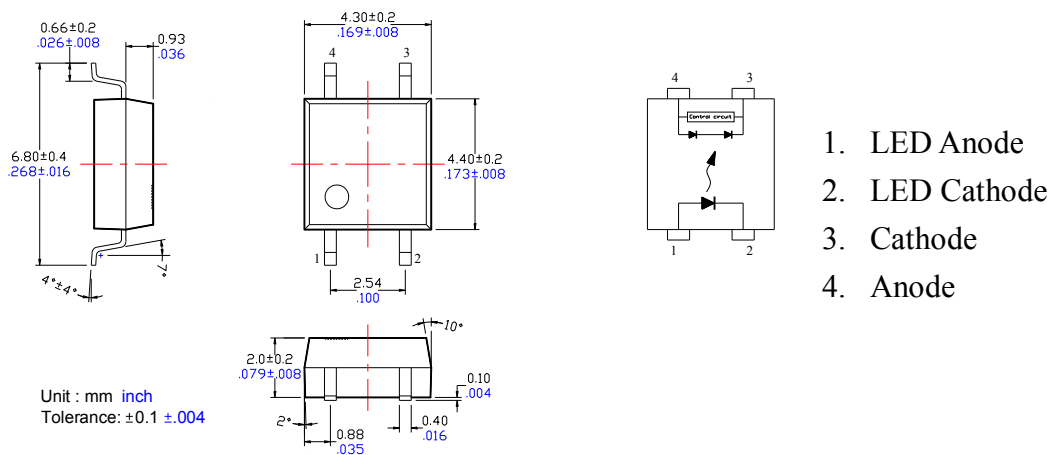
### Features

- SOP package 4 Pin type in miniature design (4.4×4.3×2.0mm / .173×.169×.083inch)
- High-speed switching
- 2500Vrms Input/Output isolation
- Tape & Reel version available

### Applications

- MOS FET and IGBT driver
- Power supply (Vcc) for electronic circuits

### Outline Dimensions



**PHOTOVOLTAIC MOSFET DRIVER****Part Name: LTP-2G5****Absolute Maximum Ratings (Ambient Temperature: 25°C)**

Item	Symbol	Value	Units	Note	
Input	Continuous LED Current	I <sub>F</sub>	50	mA	
	Peak LED Current	I <sub>FP</sub>	1000	mA	f=100Hz, duty=1%
	LED Reverse Voltage	V <sub>R</sub>	5	V	
	Input Power Dissipation	P <sub>In</sub>	75	mW	
I/O Breakdown Voltage	V <sub>I/O</sub>	2500	V <sub>rms</sub>	RH=60%, 1min	
Operating Temperature	T <sub>Opr</sub>	-40 to +85	°C		
Storage Temperature	T <sub>Stg</sub>	-40 to +100	°C		

**Electrical Specifications (Ambient Temperature: 25°C)**

Item	Symbol	MIN.	TYP.	MAX.	Units	Conditions
Input	LED Forward Voltage	V <sub>F</sub>	1.2	1.4	V	I <sub>F</sub> =10mA
	Operation LED Current	I <sub>F On</sub>	0.5	3.0	mA	V <sub>oc</sub> =5V
	Recovery LED Current	I <sub>F Off</sub>	0.35	0.5	mA	V <sub>oc</sub> =1V
Output	Drop-out Voltage	V <sub>oc</sub>	10	16	V	I <sub>F</sub> =10mA
	Short Circuit Current	I <sub>sc</sub>	3	8	uA	I <sub>F</sub> =10mA
Transmis sion	Turn-On Time	T <sub>On</sub>	0.28		ms	I <sub>F</sub> =10mA
	Turn-Off Time	T <sub>Off</sub>	0.05		ms	C <sub>L</sub> =1000pF
Coupled	I/O Isolation Resistance	R <sub>I/O</sub>	10 <sup>10</sup>		Ω	DC500V
	I/O Capacitance	C <sub>I/O</sub>	0.8	1.5	pF	f=1MHz

## Reference Data

