

BRIGHT LED ELECTRONICS CORP.

●Device Number : BPT-BP0314

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●Absolute Maximum Rating(Ta=25°C)

Version:1.1

Item	Symbol	Rating	Unit
Power Dissipation	Pd	100	mW
Collector-Emitter Voltage	V _{CEO}	30	V
Emitter-Collector Voltage	V _{ECO}	5	V
Operating Temperature	Topr	-45 ~ +85	°C
Storage Temperature	Tstg	-45 ~ +100	°C
Soldering Temperature(*1)	Tsol	250	°C

(*1)、For 5 Sec

●Electrical And Optical Characteristics(Ta=25°C)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Collector-Emitter Saturation Voltage	V _{CE(sat)}	Ic=0.5mA, Ee=0.5mW/cm ²	—	—	0.5	V
Collector-Emitter Breakdown Voltage	V _{(BR)CEO}	Ic=1mA, Ee=0mW/cm ²	30	—	—	V
Emitter-collector Breakdown Voltage	V _{(BR)ECO}	Ie=100 μA, Ee=0mW/cm ²	5	—	—	V
Light Current	Ic(on)	Vce=5V, Ee=0.5mW/cm ²	0.35	0.60	—	mA
Dark Current	Id	Vce=10V, Ee=0mW/cm ²	—	—	100	nA
Rise Time	Tr	F=100Hz, Vce=5V, RL=1kΩ	—	10	—	μs
Fall Time	Tf		—	15	—	μs
Viewing Angle	2θ1/2	Vce=5V, Ee=0.5mW/cm ²	—	35	—	deg

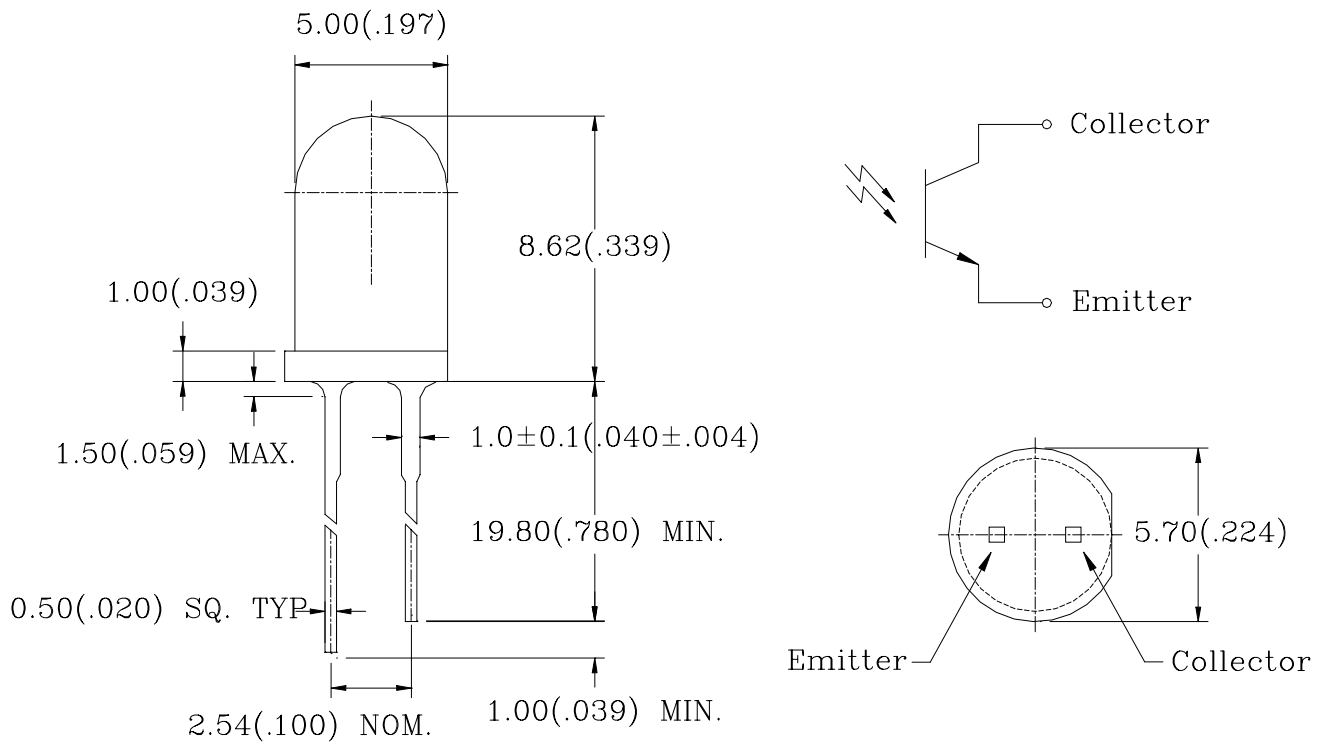
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●Dimensions

Version:1.0



Notes:

- 1、All dimensions are in millimeters (inches).
- 2、Tolerance is $\pm 0.25\text{mm}$ ($0.01''$) unless otherwise specified.
- 3、Lead spacing is measured where the leads emerge from the package.
- 4、Specifications are subject to change without notice.

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●Electrical And Optical Curves($T_a=25^{\circ}\text{C}$)

Version:1.2

