

BRIGHT LED ELECTRONICS CORP.

●Device Number : BPT-BP2331

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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=5.0V, Ee=1.0mW/cm ²	0.40	0.65	—	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
View Angle	2θ1/2	Vce=5V, Ee=0.5mW/cm ²	—	30	—	deg

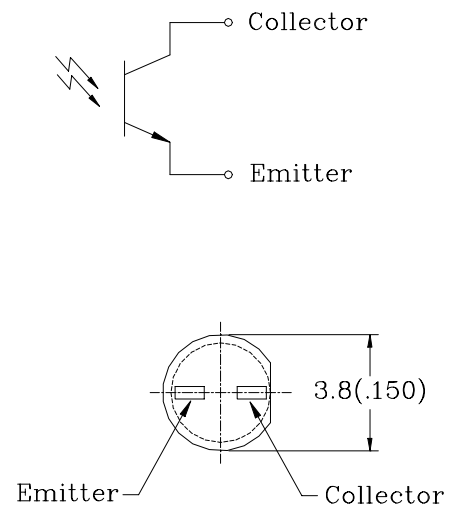
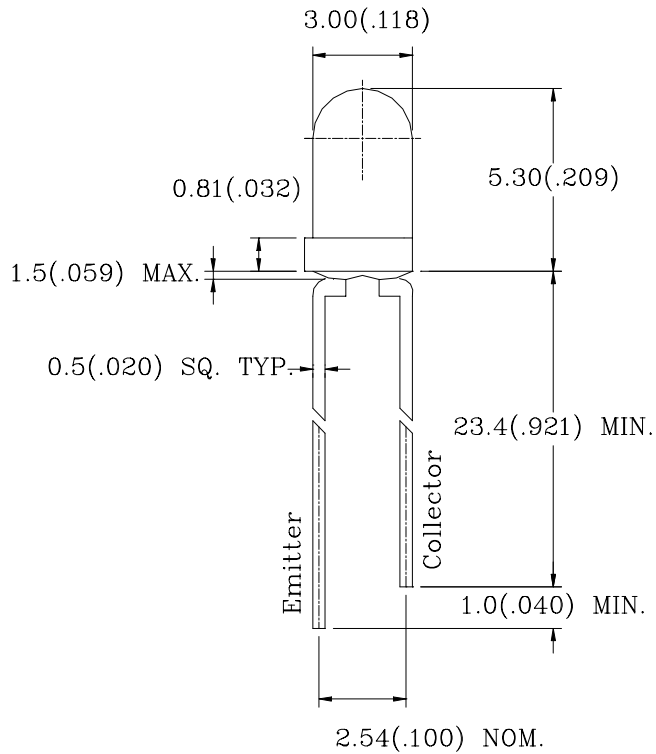
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●Dimensions

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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(Ta=25°C)

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