



BRIGHT LED ELECTRONICS CORP.

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Revision: 1.0

● Device Number : BPD-BQA914

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2002.03.07	1.0	1.0	1.0	1.0	1.0							Initial Released

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BRIGHT LED ELECTRONICS CORP.

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●Absolute Maximum Rating(Ta=25°C)

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Item	Symbol	Rating	Unit
Power Dissipation	Pd	100	mW
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
Reverse Break Down Voltage	V _{BR}	I _r =100μA, E _e =0mW/cm ²	30	—	—	V
Reverse Dark Current	I _d	V _r =10V, E _e =0mW/cm ²	—	—	30	nA
Open Circuit Voltage	V _{oc}	E _e =5mW/cm ²	—	400	—	mV
Rise Time	T _r	V _r =10V, R _i =1KΩ	—	6	—	ns
Fall Time	T _f		—	6	—	ns
Short Circuit Current	I _{sc}	V _r =5V, E _e =5mW/cm ²	—	1.2	—	μA
Total Capacitance	C _t	V _r =3V, F=1MHz, E _e =0mW/cm ²	—	25	—	pF

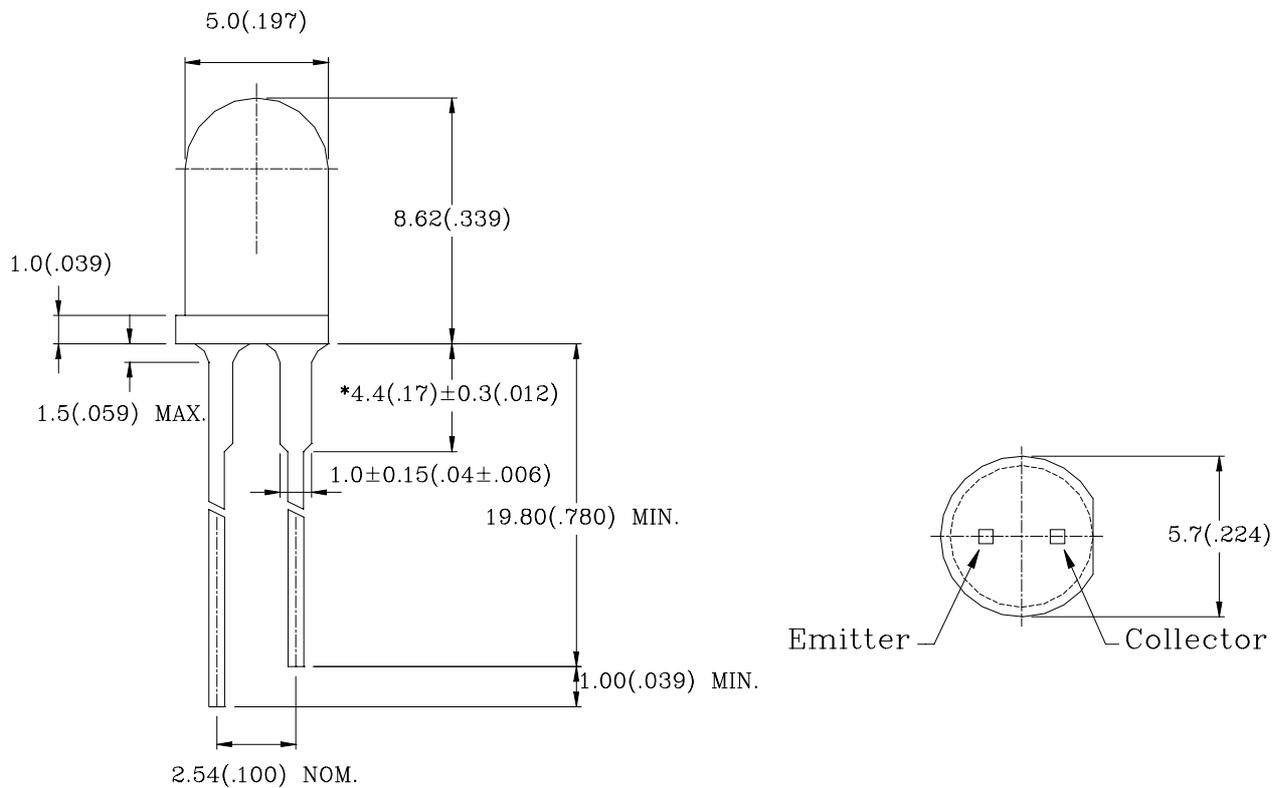
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●Dimensions

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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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● Device Number: BPD-BQA914
 ● Electrical And Optical Curves (Ta=25°C)

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FIG.1 Relative Spectral Sensitivity Vs. Wavelength

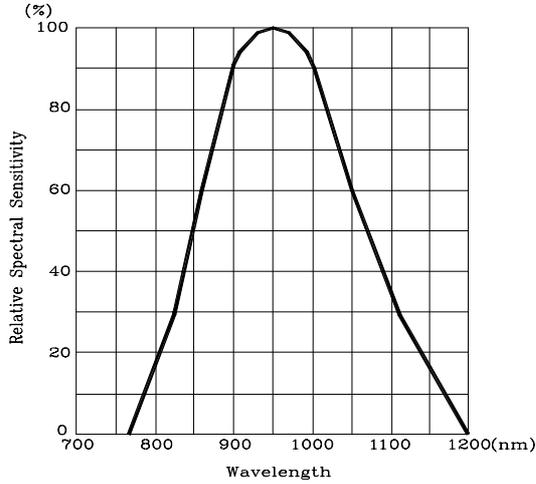


FIG.2 Capacitance Vs. Reverse Voltage
 F=1MHz, Ee=0mW/cm²

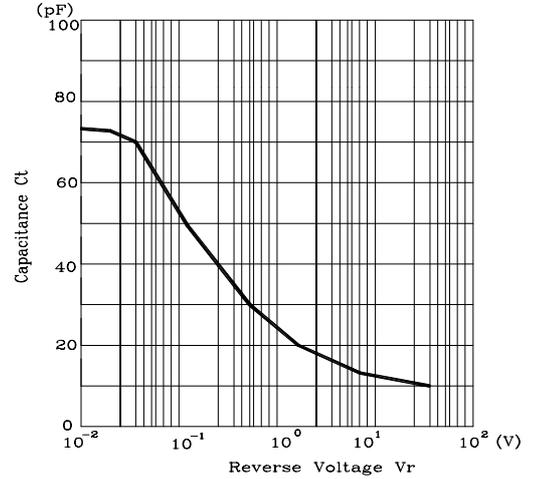


FIG.3 Dark Current Vs. Reverse Voltage
 Ta=25°C, Ee=0mW/cm²

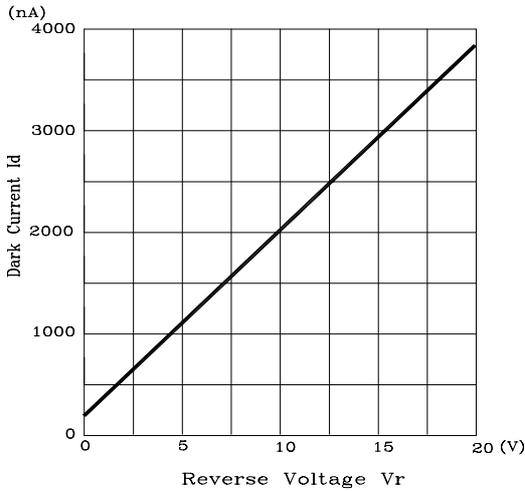


FIG.4 Total Power Dissipation Vs. Ambient Temperature

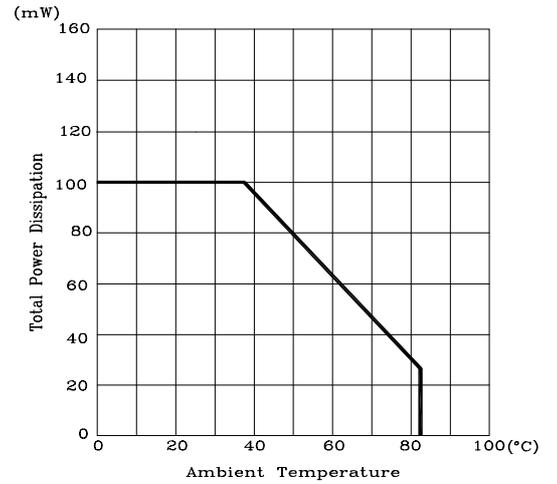


Fig.5 Photocurrent Vs. Ambient Temperature

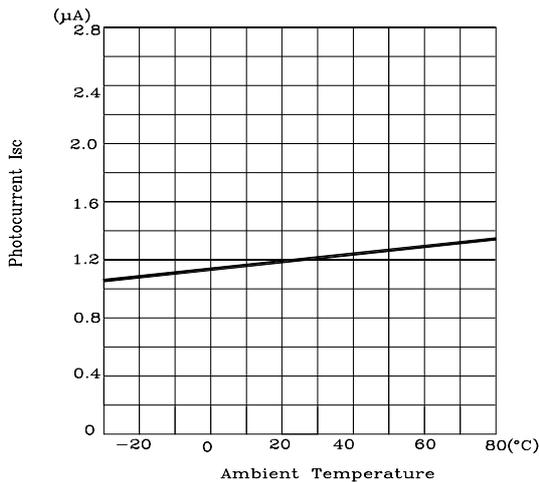
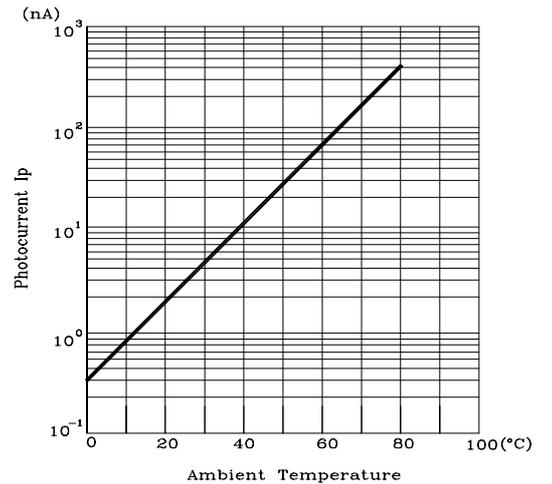


FIG.6 Dark Current Vs. Ambient Temperature



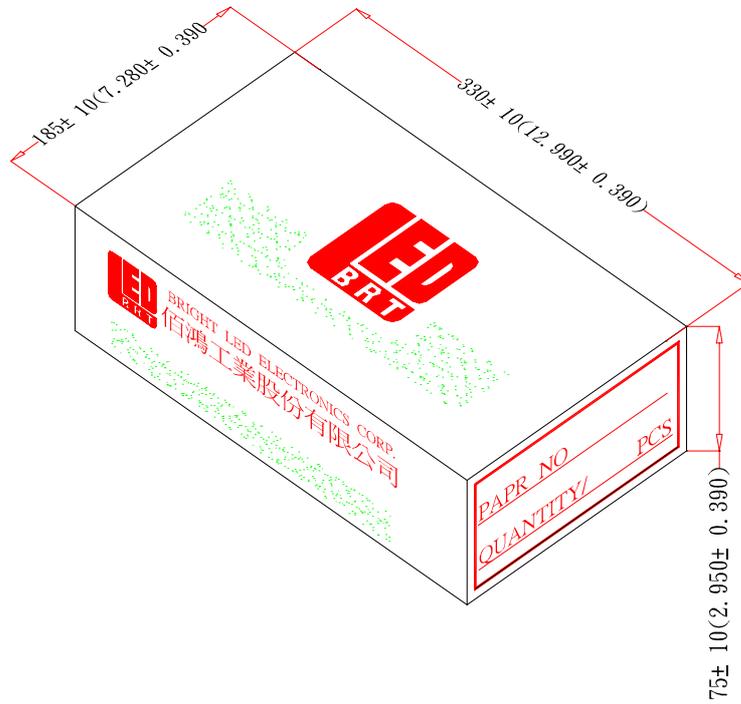
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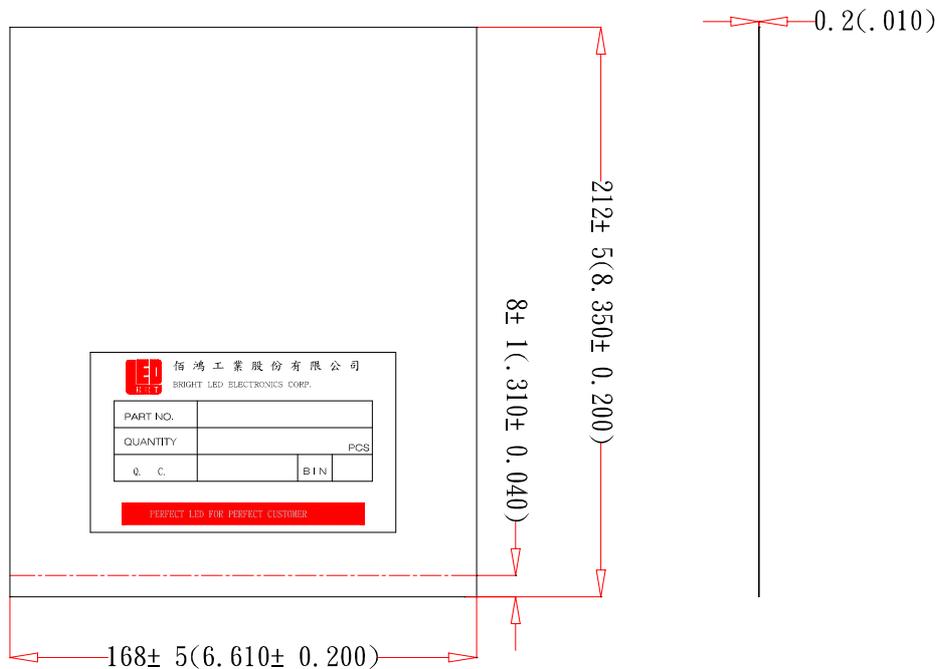
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●Packaging Box Dimensions

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●Packaging Bag Dimensions



Notes:

- 1、500pcs per bag, 5Kpcs per box.
- 2、All dimensions are in millimeters(inches).
- 3、Specifications are subject to change without notice.