END- LOOK PACKAGE PHOTOTRANSISTOR

Features

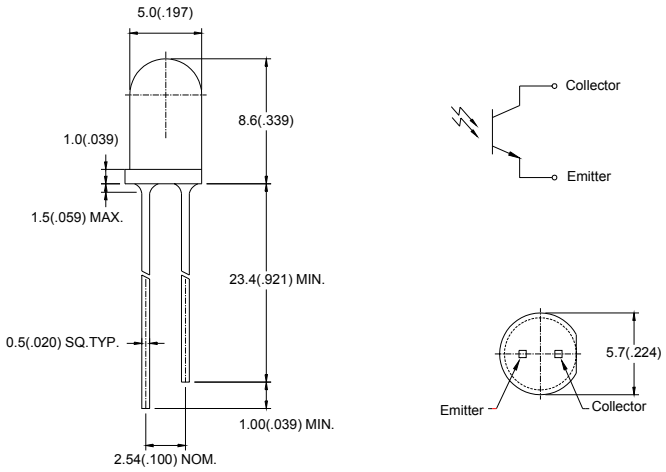
1. Wide range of collector current.
2. Lend for high sensitivity.
3. Low cost plastic package.
4. Lens Appearance: Water Clear.
5. This product doesn't contain restriction substance, comply ROHS standard

Description

The BPT-BP2334 is a NPN silicon phototransistor mounted in a lensed , special dark plastic package .

The lensing effect of the package allows an acceptance half view angle of 30° that is measured from the optical axis to the half power point .

Package Dimensions:



NOTES:

1.All dimensions are in millimeters (inches).
2.Tolerance is ±0.25mm (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

Absolute Maximum Ratings(Ta=25℃)

Parameter	Maximum Rating	Unit
Power Dissipation	100	mW
Collector- Emitter Voltage	30	V
Emitter- Collector Voltage	5	V
Operating Temperature	-45℃~+85℃	
Storage Temperature Range	-45℃~+100℃	
Lead Soldering Temperature	260℃ for 5 seconds	

Electrical Characteristics (TA=25℃ unless otherwise noted)

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST CONDITIONS
Collector- Emitter Breakdown Voltage	$V_{(BR)CEO}$	30	-	-	V	I_C=0.1mA Ee=0mW/cm^2
Emitter-Collector Breakdown Voltage	$V_{(BR)ECO}$	5	-	-	V	I_R=0.1mA Ee=0 mW/cm^2
Collector- Emitter Saturation Voltage	$V_{CE(SAT)}$	-	-	0.5	V	I_C=0.1 mA Ee=1.0 mW/cm^2
Rise Time	T_r	-	15	-	μS	Vcc=5V R_L=1KΩ I_C=1mA
Fall Time	T_f	-	15	-	μS	Vcc=5V R_L=1KΩ I_C=1mA
Collector Dark Current	I_{CEO}	-	-	100	nA	V_{CE}=10V E_e=0 mW/cm^2
On State Collector Current	$I_{C(ON)}$		16	-	mA	V_{CE}=5V E_e=1.0mW/cm^2

Typical Optical-Electrical Characteristic Curves

FIG.1 Dark Current Vs. Ambient Temperature

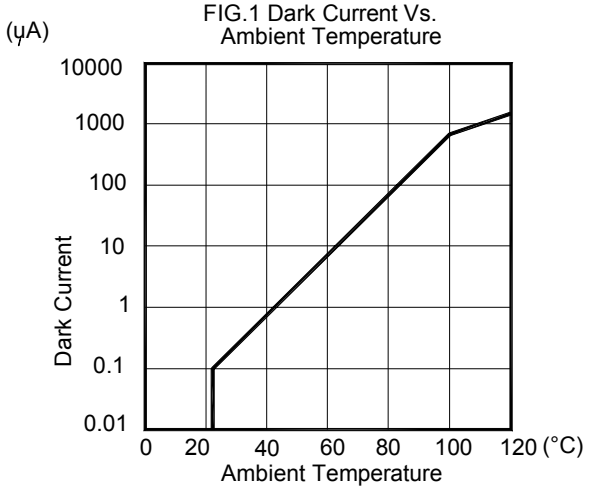


FIG.2 Power Dissipation Vs. Ambient Temperature

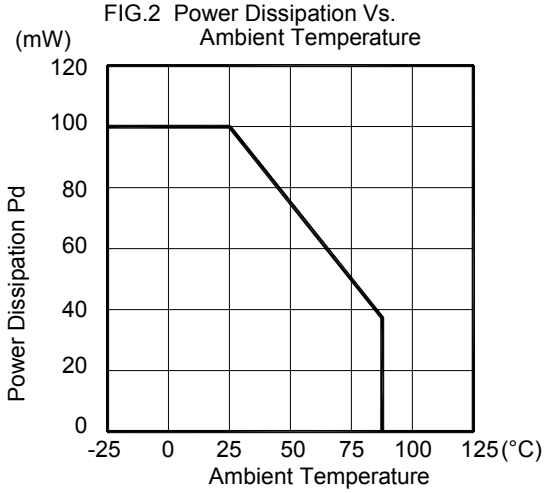


FIG.3 Rise And Fall Time Vs. Load Resistance

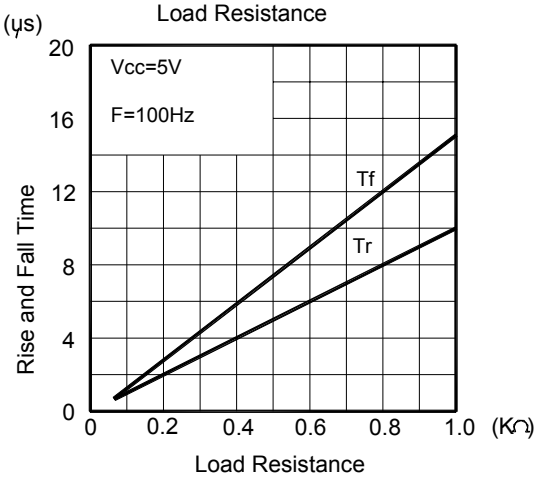
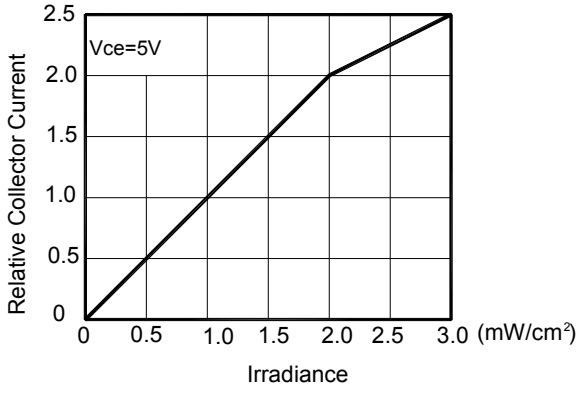
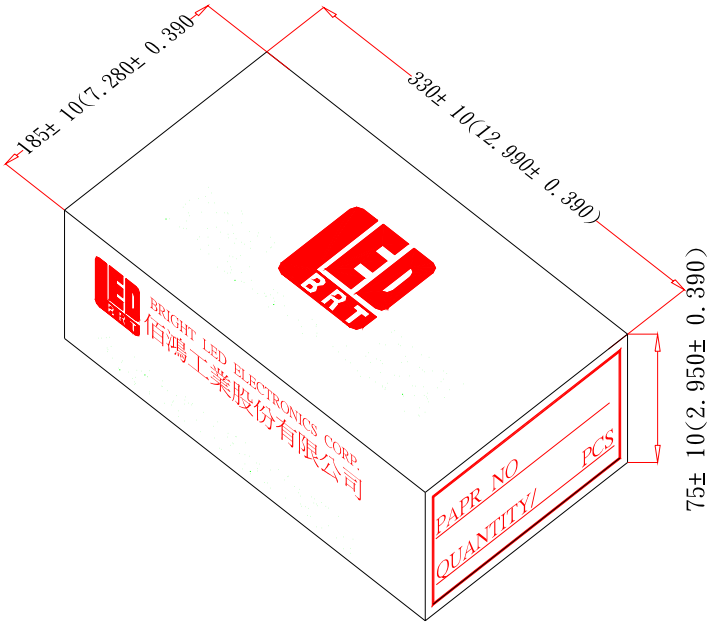


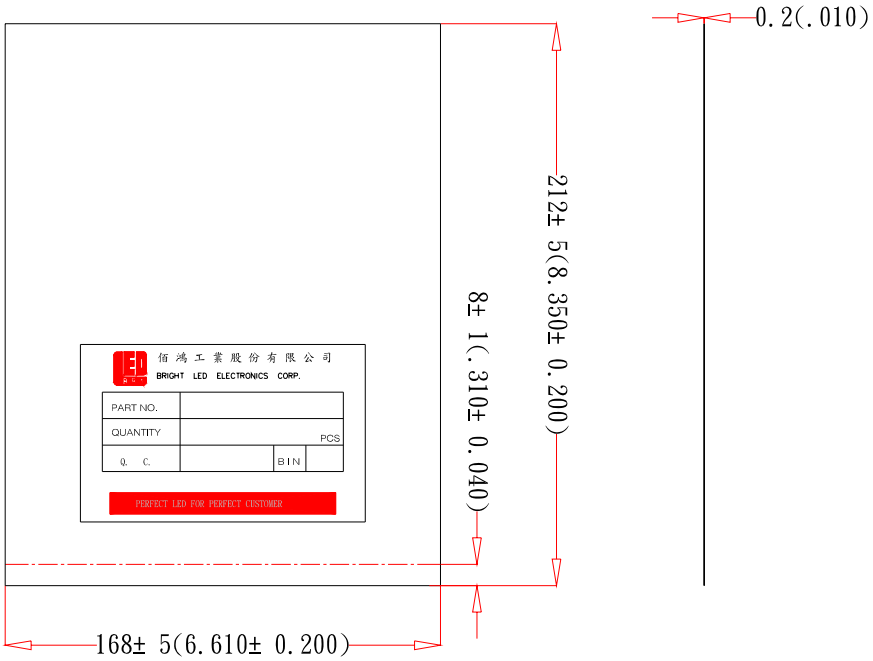
FIG.4 Relative Collector Current Vs. Irradiance



● Tapping and packaging specifications(Units: mm)



● 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.