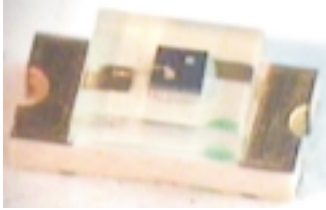




# PHOTO TRANSISTOR CHIP LED LAMPS



### BPT-HXXX3 Series

**NOTE:**

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.10(.004)$  unless otherwise specified.
3. Specifications are subject to change without notice.
4. Condition for IFp is pulse of 1/10 duty and 0.1msec width.

Absolute Maximum Ratings (Ta=25°C)

	UNIT	SPEC.
Collector-Emitter Saturation Voltage	Vce (SAT) (V)	0.5(Max.) Ic=100uA
Emitter-Collector Breakdown Voltage	Bveco (V)	5.0(Min) Ie=100uA
Top	°C	-25~+80
Tstg	°C	-30~+85
Power Dissipation	(mW)	100(Max.)

Part No.	Parameter						
	Spectrum Sensitivity	Peak Sensei Wavelength	Collector Light Current Vce=5V, H=1.0mw/cm		Collector Dark Current Vce=20V, H=1.0mw/cm	Rise/Fall Time Vce=5V, Ic=1mA RL=1KW	Viewing Angle 2θ 1/2 (deg)±5
	λ (nm)	λ p (nm)	(IC(ON) (mA)		(ICEO) (nA)	TR/TF (us)	Typ.
			Min.	Typ.	Max.	Typ.	
BPT-HP033	500-1000	940	0.5	1.5	100	15/15	140
BPT-HP133	500-1000	940	0.8	2.5	100	15/15	
BPT-HP233	500-1000	940	1.5	4.0	100	15/15	