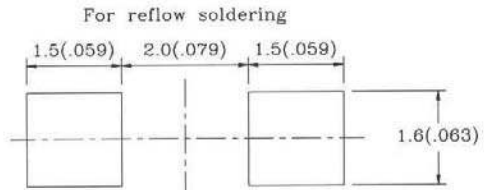
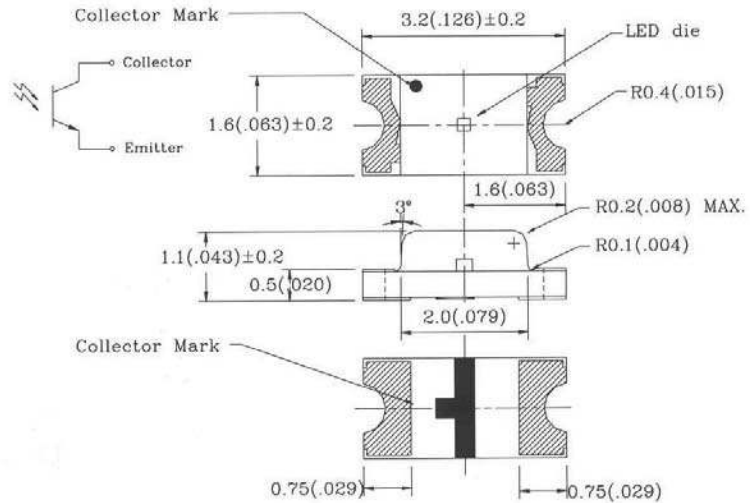


# SURFACE MOUNT PHOTO TRANSISTORS



## 1206 BPT-HPx33 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.

Absolute Maximum Ratings ( $T_a=25^\circ\text{C}$ )

	UNIT	SPEC.
Collector-Emitter Saturation Voltage $V_{ce(sat)}$	V	0.5 $I_c=100\mu\text{A}$
Emitter-Collector Breakdown Voltage $B_{vceo}$	V	5.0 $I_e=100\mu\text{A}$
$T_{opr}$	$^\circ\text{C}$	-25~+80
$T_{stg}$	$^\circ\text{C}$	-30~+85
Power Dissipation	mW	100

Part No.	Parameter						
	Spectrum Sensitivity	Peak Wavelength	Collector Light Current $V_{ce}=5V, H=1.0\text{mw}/\text{cm}^2$		Collector Dark Current, $V_{ce}=20V, H=1.0\text{mw}/\text{cm}^2$	Rise/Fall Time, $V_{ce}=5V, I_c=1\text{mA}$ $R_L=1\text{KW}$	Viewing Angle $2\theta_{1/2}$ (deg)
	$\lambda$ (nm)	$\lambda_p$ (nm)	$I_{c(ON)}$ (mA)	$I_{cEO}$ (nA)	$T_R/T_F$ ( $\mu\text{s}$ )		
			Min.	Typ.	Max.	Typ.	Typ.
BPT-HP033	500-1000	940	0.67	1.50	100	15/15	140
BPT-HP133	500-1000	940	2.00	3.00	100	15/15	
BPT-HP233	500-1000	940	2.00	4.00	100	15/15	
BPT-HP833	500-1000	940	2.00	5.00	100	15/15	

This datasheet has been downloaded from:

[www.DatasheetCatalog.com](http://www.DatasheetCatalog.com)

Datasheets for electronic components.