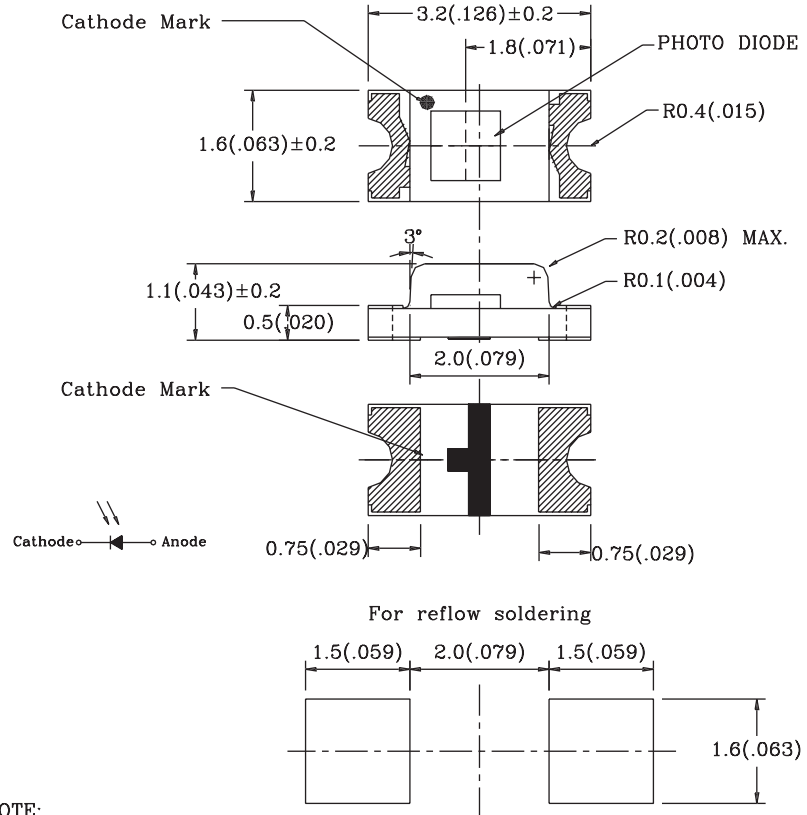




# Surface Mount Photo Diodes



## 1206 BPD-HQx33 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.
$T_{opr}$	$^\circ\text{C}$	-25~+80
$T_{stg}$	$^\circ\text{C}$	-30~+85

Part No.	Open Circuit Voltage	Short Circuit Current	Reverse Dark Current	Reverse Light Current	Reverse Break Down Voltage	Rise/Fall Time	Peak Wave Length	Viewing Angle $2\theta$ 1/2 (deg)
	$V_{OC}$ H=5.0mw/cm <sup>2</sup> Typ. (mV)	$I_{SC}$ H=5.0mw/cm <sup>2</sup> Typ. (uA)	$I_{D(R)}$ $V_R=10V$ H=0mw/cm <sup>2</sup> Max. (nA.)	$I_L$ $V_R=5.0V$ H=5.0mw/cm <sup>2</sup> Typ. (uA)	$V_{BR}$ $I_R=100\mu A$ H=0mw/cm <sup>2</sup> Min. (V)	$T_R/T_F$ $V_R=10V$ $R_L=1K\Omega$ (ns)	$\lambda_p$ (nm)	
BPD-HQA33	450	2.0	10	2.0	30	6/6	940	140
BPD-HQB33	550	7.0	10	5.0	30	10/10	940	