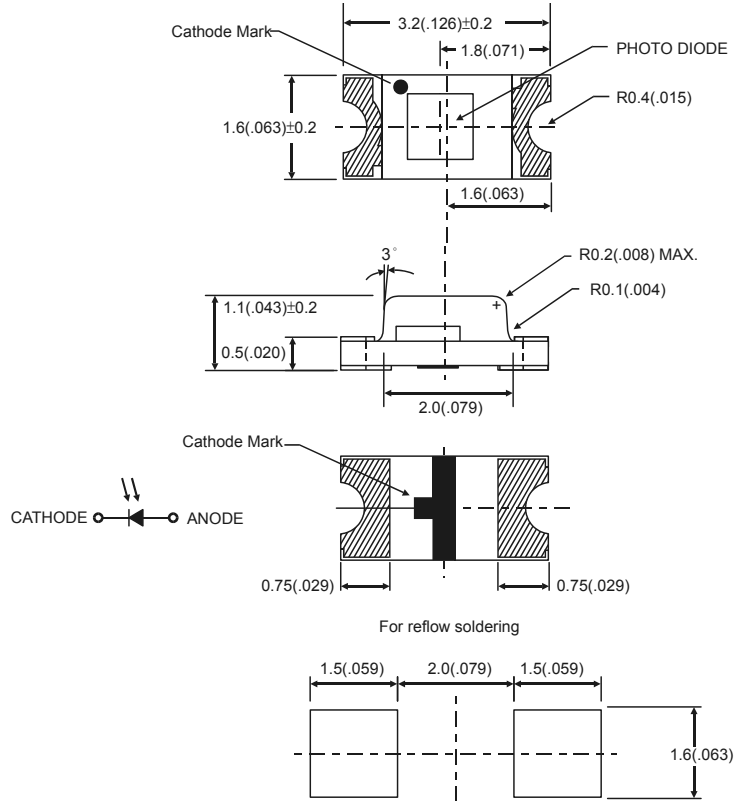


# SURFACE MOUNT PHOTO DIODES

## BPD-HQx33 (1206) 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**  
 (Ta=25°C)

	UNIT	SPEC.
Topr	°C	-40~+85
Tstg	°C	-40~+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 2θ 1/2 (deg)
	Voc H=5.0mw/cm <sup>2</sup> Typ. (mV)	ISC H=5.0mw/cm <sup>2</sup> Typ. (uA)	ID(R) VR=10V H=0mw/cm <sup>2</sup> Max. (nA)	IL VR=5.0V H=5.0mw/cm <sup>2</sup> Typ. (uA)	VBR IR=100uA H=0mw/cm <sup>2</sup> Min. (V)	TR/TF VR=10V RL=1KΩ (ns)	λp (nm)	
BPD-HQA33	450	2.0	10	2.0	30	6/6	940	120°
BPD-HQB33	550	7.0	10	5.0	30	10/10	940	