



Silicon Photo Diodes BPD Series

APPLICATIONS :

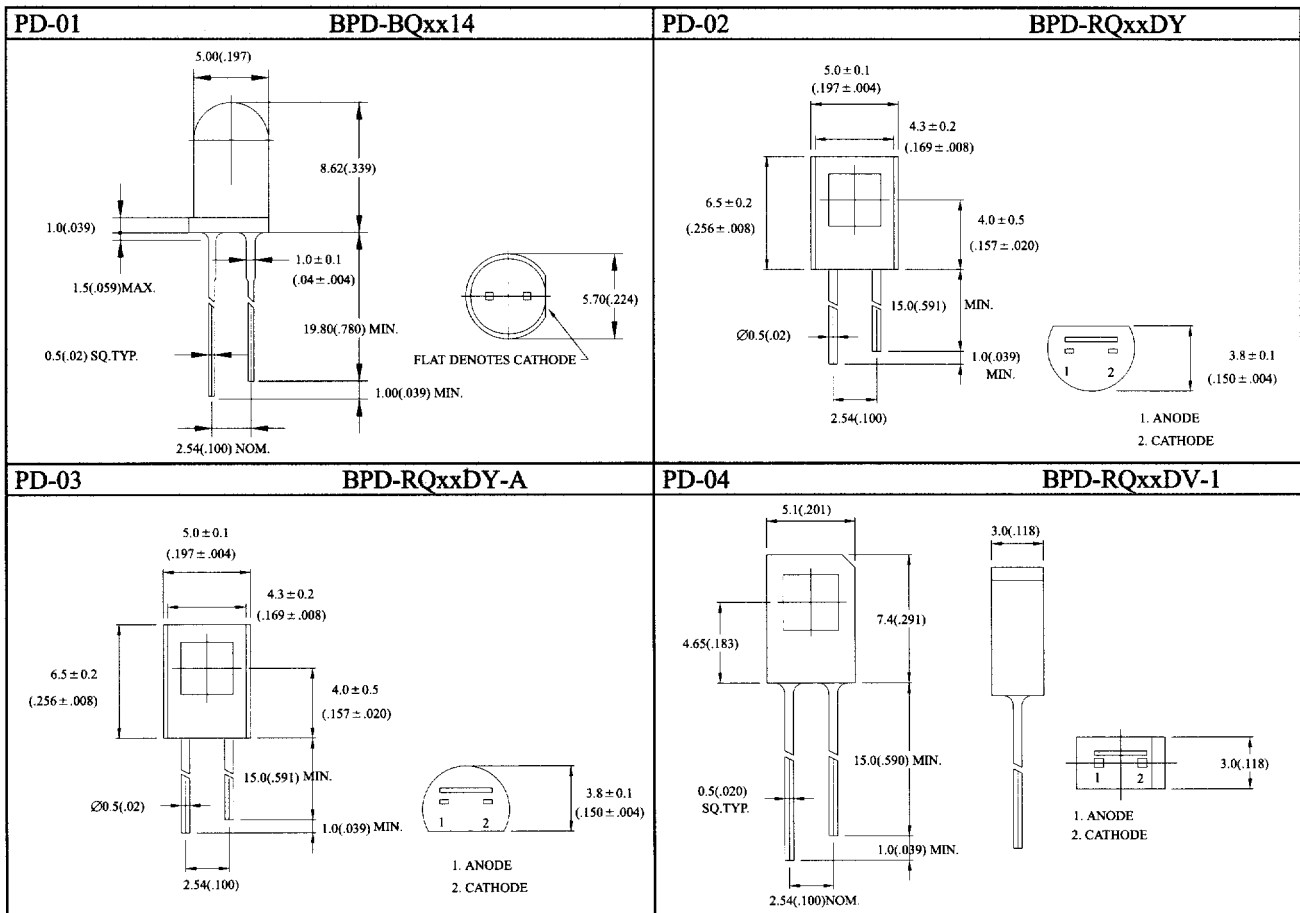
- Remote Control , • Infrared Sensor • Smoke Detector, • Automatic Control System, • Camera, • Optical Encoder, • Strobe, • Exposuremeter

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

- Operating Temperature Range..... (-45°C~+85°C)
- Storage Temperature Range..... (-45°C~+100°C)
- Lead Soldering Temperature (1/16inch from case)(5sec 250°C)

ELECTRICAL AND RADIANT CHARACTERISTICS (Ta=25°C)

Package	Part No.	Open Circuit Voltage		Short Circuit Current		Reverse Dark Current		Reverse Light Current		Reverse Break Down Voltage		Tr	Tf	Peak Wave Length λP (nm)	Viewing Angle $2\theta 1/2$ (deg)	Drawing No.
		(VOC) Typ.(mV) H=5.0mw/cm ²		(ISC) Typ.(uA) H=5mw/cm ²		ID(R) Max.(nA) VR=10V H=0mw/cm ²		(IL) Typ.(uA) VR=5V H=5mw/cm ²		(VBR) Min.(V) IR=100uA H=0mw/cm ²						
		Min.	Typ.	Min.	Typ.	Typ.	Max.	Min.	Typ.	Min.	Typ.	Min.	Typ.			
T-13/4 Standard 1.0" Lead 5 ϕ	BPD-BQA314	-	400	-	2	-	-	-	3.5	-	-	6	6	940	35	PD-01
	BPD-BQA914	-	-	-	-	-	10	-	-	35	170	-	-			
	BPD-BQB314	-	420	-	8	-	-	-	10.0	-	-	10	10			
	BPD-BQB914	-	-	-	-	-	-	-	-	-	-	-	-			
Side Viewing 3.8*5.0*6.5	BPD-RQ09DY	-	-	-	-	-	-	-	-	-	-	-	-	140	PD-02	
	BPD-RQ09DY-A	-	350	50	75	5	30	60	120	35	170	50	50		PD-03	
Side Viewing 3.0*5.2*7.5	BPD-RQ03DV-1	-	-	-	-	-	-	-	-	-	-	-	-		PD-04	
	BPD-RQ09DV-1	-	-	-	-	-	-	-	-	-	-	-	-			



- Notes : 1.All Dimensions are in millimeters (inches).
2.Tolerance is $\pm 0.25\text{mm}$ (.010").