

Note1: Pay attention to the difference between PD and PT, The PD has high sensitivity, Need external amplification circuit, Fast response times, It is generally used for high speed photo detector or data transmission. PT is generally used for optoelectronic switch.

Note2: The wavelength of the PD is a range, the λ_P is wavelength of peak sensitivity.

Note3: I_{L_Typ} is the typical value of reverse light current.

Note4: The rise/fall time can be used to estimate the rate of reaction and to calculate the maximum transmission frequency.

Note5: Products are constantly updated, Please download the latest version.

Shape	Sensitive area	Color	Size(mm)	Product	$\lambda_{0.5}$ (nm)	λ_P (nm)	I_{L_Typ} (uA)	Rise/Fall Time (uS)	Note	
Semicolumn	Side	Transparent	5.0*3.8*6.6	SGPD538C3	400--1100	940	105	50/50		
				SGPD538C9	400--1100	940	50	45/45		
			4.8*3.8*6.6	PD438C	400--1100	940	95	50/50		
				4.6*3.4*6.6	SGPD436C	400--1100	940	95	50/50	
			SGPD436C3		400--1100	940	95	50/50		
			SGPD436CL3		400--1100	940	95	50/50		
		SGPD436C9	400--1100		940	50	45/45			
		Black	5.0*3.8*6.6	SGPD538B	840--1100	940	85	50/50		
				SGPD538B9	840--1100	940	60	45/45		
				SGPD538B6	840--1100	940	20	25/25		
			4.8*3.8*6.6	PD438B	840--1100	940	85	50/50		
				PD438BCF	840--1100	940	85	50/50		
				PD438BAF	840--1100	940	60	45/45		
				PD438B9E	840--1100	940	50	45/45		
	4.6*3.4*6.6		PD438B9-601	760--1100	940	60	45/45			
		SGPD436B	840--1100	940	83	50/50				
		SGPD436B9	840--1100	940	50	45/45				
	Side	Transparent	4.8*3.8*6.6	SGPD413B6	840--1100	940	20	25/25		
				5.0*3.8*6.6	SGPD206C3	400--1100	940	95	50/50	
					PD438C/S46	400--1100	940	95	50/50	
Black		4.8*3.8*6.6	SGPD206C2	400--1100	940	95	50/50			
	PD438B/S46		840--1100	940	80	50/50				
Rectangle	Side	Transparent	3.0*5.2*7.5	PD638C3	400--1100	940	95	50/50		
				SGPD638C9	400--1100	940	36	45/45		
		Black	2.0*5.0*7.1	SGPI752	400--1100	940	95	50/50		
				3.0*5.2*7.5	PD753B	840--1100	940	70	50/50	
		Black	3.0*5.2*7.5		SGPD638B	840--1100	940	70	50/50	
				SGPD638B9	840--1100	940	45	45/45		
		Red	2.0*5.0*5.0	SGPD638B6	840--1100	940	18	25/25		
				PD602R	560--1100	940	20	25/25		

Shape	Sensitive area	Color	Size(mm)	Product	$\lambda_{0.5}$ (nm)	λ_p (nm)	I_L _Typ (uA)	Rise/Fall Time (uS)	Note
Rectangle	Side	Red	2.0*4.0*5.0	PD406R	560--1100	940	23	25/25	
				PD403R	560--1100	940	20	25/25	
				SGPD542R6	560--1100	940	20	25/25	
		Transparent		PD452C	400--1100	940	95	50/50	
				PD452C9	400--1100	940	39	45/45	
				SGPD542C8	380--750	650	35	30/30	
Black	PD452B	840--1100	940	90	50/50				
Rectangle	Side	Transparent	1.8*3.7*5.2mm	PD4001C	400--1100	940	39	45/45	
				PD4002C	400--1100	940	48	50/50	
				PD4003C	400--1100	940	80	50/50	
		Black		PD4003B	840--1100	940	70	50/50	
Rectangle	Side	Red	2.0*4.0*4.0	PD402R	560--1100	940	20	25/25	
5mm	Top	Transparent	5.0*8.7	SGPD594C9	400--1100	940	150	45/45	
				SGPD519C9	400--1100	940	125	45/45	
				SGPD594C6	560--1100	940	65	25/25	
		Red		PD534RA	560--1100	940	150	45/45	
				SGPD5086R6	400--1100	940	150	25/25	
				SGPD594B9	840--1100	940	120	45/45	
		Black		SGPD594B6	840--1100	940	150	25/25	
				SGPD594B43	840--1100	940	70	12/12	
				SGPD594B4	840--1100	940	85	12/12	
				SGPD585B6	700--1100	940	150	25/25	
Transparent	5.0*8.6	SGPD5650C8	380--750	650	120	30/30			
5mm	Top	Transparent	5.0*5.3	SGPD5051C9	400--1100	940	45	45/45	
				SGPD5051C6	400--1100	940	18	25/25	
				SGPD5027C	430--1100	650	2.6	25/25	
		Red		SGPD5080C	400--1100	650	35	30/30	
				SGPD5051R6	560--1100	940	18	25/25	
				SGPD5051B6	840--1100	940	18	25/25	
		Black		SGPD5082B6	700--1100	850	18	25/25	
				5.0*9.5mm	SGPD595B4	840--1100	940	12	12/12
3mm	Top	Transparent	3.0*5.3	PD204-6C	400--1100	940	60	25/25	
				SGPD3050C	400--1100	940	55	25/25	
		Black		PD204-6B	840--1100	940	60	25/25	
				SGPD204B43	840--1100	940	12	12/12	
				SGPD204B4	840--1100	940	30	12/12	
		Red		PD204R6	560--1100	940	60	25/25	
Transparent	3.0*5.1	PD3262C	400--1100	940	50	25/25			
4mm	Top	Red	4.0*4.0	PD401RP	560--1100	940	18	25/25	

Shape	Sensitive area	Color	Size(mm)	Product	$\lambda_{0.5}$ (nm)	λ_P (nm)	I_L _Typ (uA)	Rise/Fall Time (uS)	Note
3mm	Top	Transparent	3.1*3.8	PD3064CP	400--1100	940	20	30/30	
				PD3060CP	400--1100	940	18	25/25	
				PD3061CP	840--1100	940	18	25/25	
		Black		PD3060BP	560--1100	940	18	25/25	
		Red		PD3064RP	560--1100	940	20	30/30	
				PD3060RP2	560--1100	940	18	25/25	
				PD3060RP3	400--1100	940	18	25/25	
			3.1*3.8	PD3061RP	560--1100	940	18	25/25	
3mm	Top	Red	3.1*3.8	PD3065RP	560--1100	940	20	30/30	
				PD3027C	430--1100	650	2.6	25/25	
				PD3065RP F	560--1100	940	20	30/30	
		Transparent	3.0*4.0	PD3069RP	560--1100	940	20	30/30	
				PD3069CP	400--1100	940	20	30/30	
		Red	3.0*4.6	PD301RP	560--1100	940	18	25/25	
				PD302RP	560--1100	940	20	30/30	
9mm	Top	Transparent	9.3*7.8	SGPD938C3	400--1100	940	170	50/50	
	Side	Transparent	4.5*5.3*6.8	SGPD568C	400--1100	940	95	50/50	
		Black		SGPD568B	840--1100	940	85	50/50	
	Side	Transparent	5.1*5.6*6.6	SGPD510C	400--1100	940	125	50/50	
				SGPD510C9	400--1100	940	120	50/50	
Ellipse	Top	Black	5.3*6.6	PD5483B6	840--1100	940	60	25/25	
5mm	Top	Black	5.0*5.5	PD509B9	840--1100	940	60	45/45	
SMD	Top	Transparent	4.4*3.9*1.2	SGPD30C	400--1100	940	95	50/50	
		Black		SGPD30B	730--1100	940	90	50/50	
		Transparent	2.8*3.5*0.7	PD6768C	430--1100	650	2.6	25/25	
				PD6790C	430--1100	940	6.0	25/25	
		Black	6.6*6.0*1.4	PD6791C	400--1100	940	6.0	25/25	
		Black	7.0*6.0*1.2	PD7430	430--1100	940	6.0	25/25	
				PD7504	400--1100	940	220	100/100	

Type	Size(mm)	Model	Chip Size (mm)	Number of chips	Reference use
Position sensor	7.2*4.0*1.2	PDA5921	1.0*4.5	2	Robot, background suppression
	7.8*7.8*1.7	PDA5922	1.0*4.5	4	
	7.8*7.8*1.7	PDA5925	1.09*1.09	4	Laser positioning, displacement monitoring
	7.8*7.8*1.7	PDA5926	2.04*2.04	4	
	7.8*7.8*1.7	PDA5927	2.50*2.50	4	
	7.8*7.8*1.7	PDA5928	1.60*1.60	4	
	18*27*1.7	PDA1828B	3.00*3.00	4	Galvanometer motor
	15*15*1.7	PDA15304	3.00*3.00	4	Displacement monitoring, sun tracking
	18*18*1.7	PDA18434	4.30*4.30	4	
Area sensor	8.0*6.0*1.5	PDA6070	2.30*7.35	1	Picking inspection, light curtain
	24*6.0*1.5	PDA6220	2.30*7.35	3	
	54*6.0*1.5	PDA6515	2.30*7.35	7	