

Version:  
July 4, 2017



# Light Sensors Summary Table

## **Token Electronics Industry Co., Ltd.**

**Taiwan:** No.137, Sec. 1, Zhongxing Rd., Wugu District,  
New Taipei City, Taiwan, R.O.C. 24872  
Tel: +886 2981 0109 Fax: +886 2988 7487

**China:** 12F, Zhong Xing Industry Bld., Chuang Ye Road,  
Nan Shan District, Shen Zhen City,  
Guang Dong, China 518054  
Tel: +86 755 26055363; Fax: +86 755 26055365








[Web: www.token.com.tw](http://www.token.com.tw)

[Email: rfq@token.com.tw](mailto:rfq@token.com.tw)






## Light Sensors Summary Table





### Light Sensors Summary Table

Category	Thumb Nail	Part NO.	Infrared Ray	Lens Color	Spectral Bandwidth (nm)	Photo Current			Dark Current
						10Lux	30Lux	100Lux	0Lux
Φ3 Plate Edge		PT-A6-BC-3-PE-520	IR Receiving	Dark Blue	520	3 ~ 12	9 ~ 36	30 ~ 120	0.2Max.
		PT-IC-BC-3-PE-550	IR Receiving	Dark Blue	550	1.5 ~ 5.0	4.5 ~ 15	15 ~ 50	0.8Max.
		PT-IC-GC-3-PE-520	IR Receiving	Dark Green	520	1.2 ~ 3.6	3.6 ~ 10.8	12 ~ 36	0.8Max.
		PT-IC-AC-3-PE-550	IR Receiving	Water Clear	550	7 ~ 15	21 ~ 54	70 ~ 180	0.8Max.
		PT-A1-AC-3-PE-850	IR Blocking	Water Clear	850	3 ~ 6	9 ~ 18	30 ~ 60	0.1Max.
Φ5 Plate Edge		PT-IC-GC-5-PE-520	IR Receiving	Dark Green	520	2 ~ 6	6 ~ 18	20 ~ 60	0.8Max.
		PT-IC-BC-5-PE-550	IR Receiving	Dark Blue	550	2.5 ~ 5.5	7.5 ~ 16.5	25 ~ 55	0.8Max.
		PT-IC-AC-5-PE-550	IR Receiving	Water Clear	550	7 ~ 18	21 ~ 54	70 ~ 180	0.8Max.
		PT-A2-AC-5-PE-850	IR Blocking	Water Clear	850	1.5 ~ 4.5	4.5 ~ 13.5	15 ~ 45	0.1Max.
Φ5 Helmet Edge		PT-A1-AC-5-HE-850	IR Blocking	Water Clear	850	4.5 ~ 9.0	13.5 ~ 27	45 ~ 90	0.1Max.
Φ5 Plate None		PT-A6-AC-5-PN-580	IR Receiving	Water Clear	580	2.5 ~ 10	7.5 ~ 30	25 ~ 100	0.2Max.
		PT-IC-BC-5-PN-550	IR Receiving	Dark Blue	550	2.5 ~ 5.5	7.5 ~ 16.5	25 ~ 55	0.8Max.
		PT-IC-AC-5-PN-580	IR Receiving	Water Clear	580	1.5 ~ 5.5	4.5 ~ 16.5	15 ~ 55	0.8Max.
		PT-A4-AC-5-PN-850	IR Blocking	Water Clear	850	5 ~ 12	15 ~ 36	50 ~ 120	0.1Max.
		PT-A2-AC-5-PN-850	IR Blocking	Water Clear	850	1.5 ~ 4.5	4.5 ~ 13.5	15 ~ 45	0.1Max.
Φ3 Bullet Edge		PT-A2-AC-3-BE-850	IR Blocking	Water Clear	850	15 ~ 45	45 ~ 145	150 ~ 450	0.1Max.
		PT-A2-DC-3-BE-940	IR Blocking	Dark	940	-	-	-	0.1Max.
Φ5 Bullet Edge		PT-A2-AC-5-BE-850	IR Blocking	Water Clear	850	30 ~ 90	90 ~ 270	300 ~ 900	0.1Max.
		PT-A1-FC-5-BE-940	IR Blocking	Dark	940	-	-	-	0.1Max.
Φ5 Bullet None		PT-A6-AC-5-BN-520	IR Receiving	Water Clear	520	5 ~ 22	15 ~ 66	50 ~ 220	0.2Max.
		PT-IC-AC-5-BN-520	IR Receiving	Water Clear	520	4 ~ 12	12 ~ 36	40 ~ 120	0.8Max.
		PT-A1-DC-5-BN-940	IR Blocking	Dark	940	-	-	-	0.1Max.

## Light Sensors Summary Table

Category	Thumb Nail	Part NO.	Infrared Ray	Lens Color	Spectral Bandwidth (nm)	Photo Current			Dark Current
						10Lux	30Lux	100Lux	0Lux
SMD		PT-B1-DC-0603-940	IR Receiving	Dark	940	-	-	-	0.1Max.
		PT-A8-AC-1206-850	IR Receiving	Water Clear	850	0.5 ~ 1.2	1.5 ~ 3.6	5 ~ 12	0.1Max.
		PT-IC-BC-3528-550	IR Blocking	Dark Blue	550	1.5 ~ 4.5	4.5 ~ 13.5	15 ~ 45	0.1Max.
		PT-IC-AC-3528-520	IR Blocking	Water Clear	520	7 ~ 18	21 ~ 54	70 ~ 180	0.8Max.
		PT-A1-AC-3528-850	IR Blocking	Water Clear	850	2.5 ~ 5.0	7.5 ~ 15	25 ~ 50	0.1Max.
CdS (PGM5)		PGM5506	IR Blocking	Epoxy Resin	540	2 ~ 6	-	-	0.15Min.
		PGM5516	IR Blocking	Epoxy Resin	540	5 ~ 10	-	-	0.2Min.
		PGM5526	IR Blocking	Epoxy Resin	540	8 ~ 20	-	-	1.0Min.
		PGM5537	IR Blocking	Epoxy Resin	540	16 ~ 50	-	-	2.0Min.
		PGM5539	IR Blocking	Epoxy Resin	540	30 ~ 90	-	-	5.0Min.
		PGM5549	IR Blocking	Epoxy Resin	540	45 ~ 140	-	-	10.0Min.
		PGM5616D	IR Blocking	Epoxy Resin	560	5 ~ 10	-	-	1.0Min.
		PGM5626D	IR Blocking	Epoxy Resin	560	8 ~ 20	-	-	2.0Min.
		PGM5637D	IR Blocking	Epoxy Resin	560	16 ~ 50	-	-	5.0Min.
		PGM5639D	IR Blocking	Epoxy Resin	560	30 ~ 90	-	-	10.0Min.
		PGM5649D	IR Blocking	Epoxy Resin	560	50 ~ 160	-	-	20.0Min.
		PGM5659D	IR Blocking	Epoxy Resin	560	150 ~ 300	-	-	20.0Min.
		PGM5506-MP	IR Blocking	Hermetical	540	2 ~ 6	-	-	0.15Min.
		PGM5516-MP	IR Blocking	Hermetical	540	5 ~ 10	-	-	0.2Min.
		PGM5526-MP	IR Blocking	Hermetical	540	8 ~ 20	-	-	1.0Min.
		PGM5537-MP	IR Blocking	Hermetical	540	16 ~ 50	-	-	2.0Min.
		PGM5539-MP	IR Blocking	Hermetical	540	30 ~ 90	-	-	5.0Min.
		PGM5549-MP	IR Blocking	Hermetical	540	45 ~ 140	-	-	10.0Min.

## Light Sensors Summary Table

Category	Thumb Nail	Part NO.	Infrared Ray	Lens Color	Spectral Bandwidth (nm)	Photo Current			Dark Current
						10Lux	30Lux	100Lux	0Lux
CdS (PGM12)		PGM1200	IR Blocking	Epoxy Resin	560	2 ~ 5	-	-	1.0Min.
		PGM1201	IR Blocking	Epoxy Resin	560	4 ~ 10	-	-	2.0Min.
		PGM1202	IR Blocking	Epoxy Resin	560	8 ~ 20	-	-	5.0Min.
		PGM1203	IR Blocking	Epoxy Resin	560	18 ~ 50	-	-	10.0Min.
		PGM1204	IR Blocking	Epoxy Resin	560	45 ~ 150	-	-	20.0Min.
		PGM1205	IR Blocking	Epoxy Resin	560	140 ~ 300	-	-	20.0Min.
		PGM1200-MP	IR Blocking	Hermetical	560	2 ~ 5	-	-	1.0Min.
		PGM1201-MP	IR Blocking	Hermetical	560	4 ~ 10	-	-	2.0Min.
		PGM1202-MP	IR Blocking	Hermetical	560	8 ~ 20	-	-	5.0Min.
		PGM1203-MP	IR Blocking	Hermetical	560	18 ~ 50	-	-	10.0Min.
		PGM1204-MP	IR Blocking	Hermetical	560	45 ~ 150	-	-	20.0Min.
		PGM1205-MP	IR Blocking	Hermetical	560	140 ~ 300	-	-	20.0Min.
CdS (PGM20)		PGM2000	IR Blocking	Epoxy Resin	560	2 ~ 5	-	-	1.0Min.
		PGM2001	IR Blocking	Epoxy Resin	560	4 ~ 10	-	-	2.0Min.
		PGM2002	IR Blocking	Epoxy Resin	560	8 ~ 20	-	-	5.0Min.
		PGM2003	IR Blocking	Epoxy Resin	560	18 ~ 50	-	-	10.0Min.
		PGM2004	IR Blocking	Epoxy Resin	560	45 ~ 150	-	-	20.0Min.
		PGM2005	IR Blocking	Epoxy Resin	560	140 ~ 300	-	-	20.0Min.
		PGM2000-PP	IR Blocking	Plactic Case	560	2 ~ 5	-	-	1.0Min.
		PGM2001-PP	IR Blocking	Plactic Case	560	4 ~ 10	-	-	2.0Min.
		PGM2002-PP	IR Blocking	Plactic Case	560	8 ~ 20	-	-	5.0Min.
		PGM2003-PP	IR Blocking	Plactic Case	560	18 ~ 50	-	-	10.0Min.
		PGM2004-PP	IR Blocking	Plactic Case	560	45 ~ 150	-	-	20.0Min.
		PGM2005-PP	IR Blocking	Plactic Case	560	140 ~ 300	-	-	20.0Min.