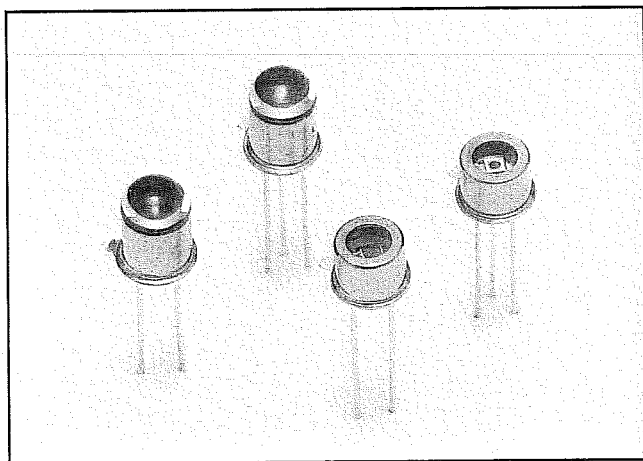


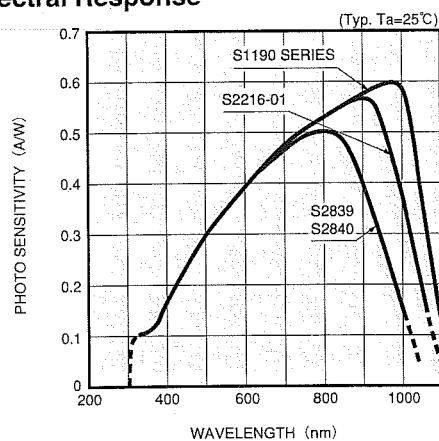
PIN Silicon Photodiodes (1)

Type No.	Dimensional Outline (P.38)/ Window Material*1	Package	Active Area Size (mm)	Effective Active Area (mm ²)	Spectral Response Range λ (nm)	Peak Sensitivity Wavelength λ p (nm)	Photo Sensitivity S (A/W) Typ.			Short Circuit Current I _{sc} 100 lx Typ. (μA)
							λ p	He-Ne Laser 633nm	GaAs LED 930nm	
S2216-01	⑤/K	3-pin TO-18	φ 0.8	0.5	320 to 1060	900	0.57	0.42	0.55	0.54
S2839			φ 0.4	0.12	320 to 1000	800	0.5		0.32	0.1
S2840			φ 0.8	0.5						0.39
S1190	①/K	TO-18	1.1×1.1	1.2	320 to 1100	960	0.6	0.57	1.35	
S1190-01	③/L								10	
S1190-03	⑤/K	3-pin TO-18							1.35	
S1190-13	④/L								10	

*1 Window material, K: borosilicate glass, L: lens type borosilicate glass

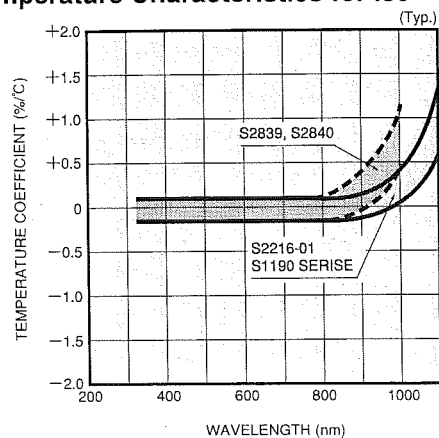


● Spectral Response



KPINB0049EA

● Temperature Characteristics for I_{sc}



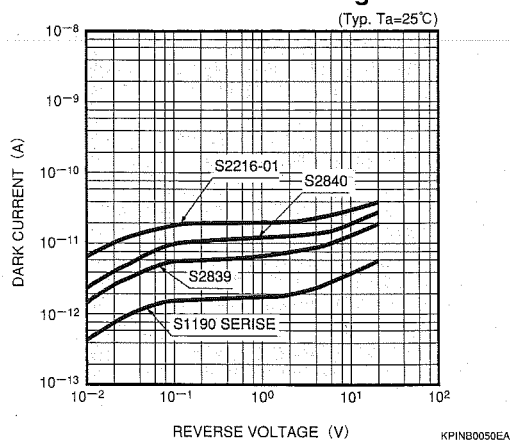
KPINB0052EA

(Ta=25°C)

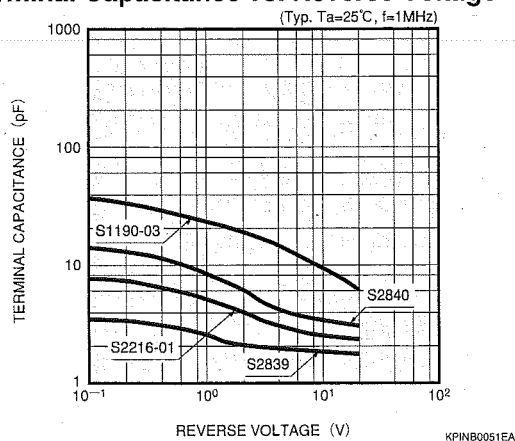
Dark Current I _D (nA)		Temperature Dependence of I _D Typ. (times/°C)	Cut-off Frequency f _c Typ. (MHz)	Terminal Capacitance C _t f=1MHz Typ. (pF)	NEP Typ. (W/Hz ^{1/2})	Absolute Maximum Ratings				Type No.
						Reverse Voltage V _R Max. (V)	Power Dissipation P Max. (mW)	Operating Temperature T _{opr} (°C)	Storage Temperature T _{stg} (°C)	
0.025 ^{*2}	1 ^{*2}	1.15	40 (V _R =5V)	3 (V _R =5V)	5.0×10 ⁻¹⁵ (V _R =5V)	20	50	-40 to +100	-55 to +125	S2216-01
0.01 ^{*2}	0.15 ^{*2}		200 (V _R =5V)	2 (V _R =5V)	3.6×10 ⁻¹⁵ (V _R =5V)					S2839
0.02 ^{*2}	0.3 ^{*2}			4 (V _R =5V)	5.0×10 ⁻¹⁵ (V _R =5V)					S2840
0.004 ^{*3}	2 ^{*3}		25 (V _R =10V)	10 (V _R =10V)	2.0×10 ⁻¹⁵ (V _R =10V)					S1190
										S1190-01
										S1190-03
										S1190-13

*2 V_R=5V*3 V_R=10V

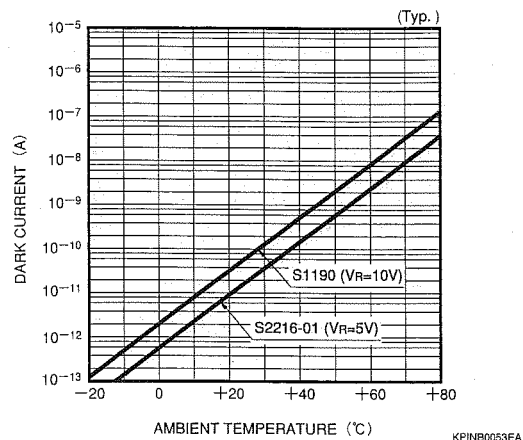
● Dark Current vs. Reverse Voltage



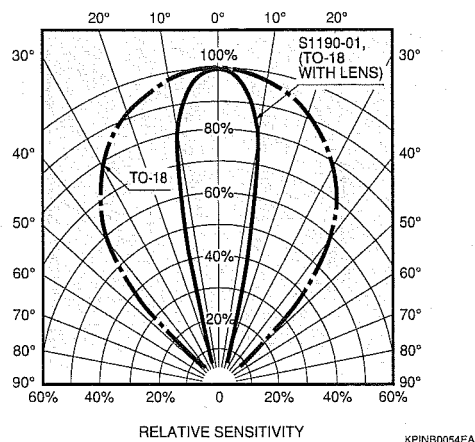
● Terminal Capacitance vs. Reverse Voltage



● Dark Current vs. Temperature



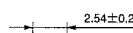
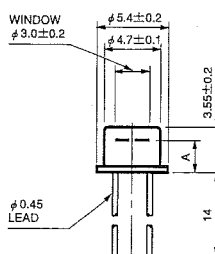
● Directivity



Dimensional Outlines

Unit : mm

① S1226-18BQ etc.

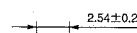
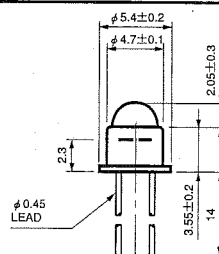


COMMON TO CASE

	S1226 Series G1115 G1735 G1961	S1190 S1336 Series S2386-18K
A	2.4	2.3

KSPDA0047EA

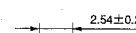
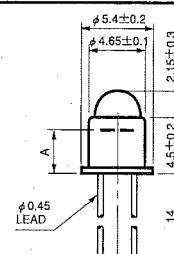
② S2386-18L



COMMON TO CASE

KSPDA0048EA

③ S1190-01 etc.

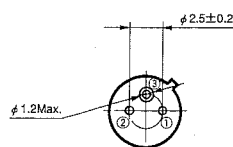
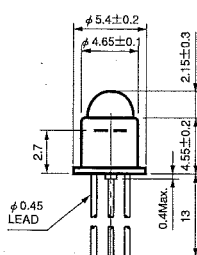


COMMON TO CASE

	S1190-01 G3287	G3067
A	2.4	2.3

KPINA0029EA

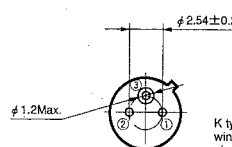
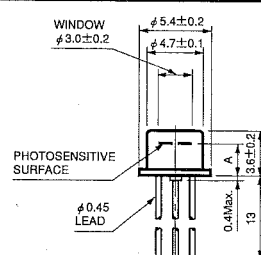
④ S1190-13



CASE

KPINA0030EA

⑤ S2216-01 etc.



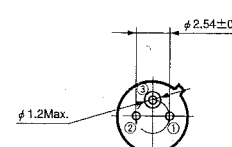
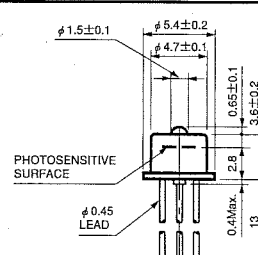
CASE

K type (borosilicate glass) window protrudes 0.1mm Max. above the rim.

	S2216-01	S2335, S2840 S4280, S4751 S4752, S4753	S1190-03
A	2.6	2.8	2.7

KPINA0022EA

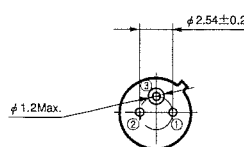
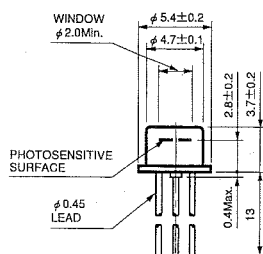
⑥ S5531, S5532, S5533



CASE

KPINA0023EA

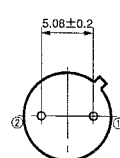
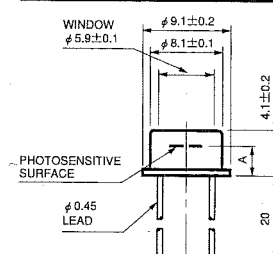
⑦ S2381, S2382, S2383



CASE

KAPDA0010EA

⑧ S1226-5BQ etc.



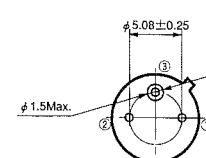
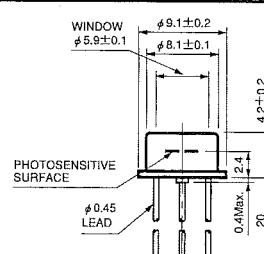
COMMON TO CASE

K type (borosilicate glass) window protrudes 0.2mm Max. above the rim.

	S1226 Series G1116, G1736 G1126-02 G1746, G1962	S2386 Series S1336 Series S1223 S1223-01
A	2.9	2.8

KSPDA0049EA

⑨ S3072



COMMON TO CASE

The window protrudes 0.2mm Max. above the rim.

KPINA0024EA