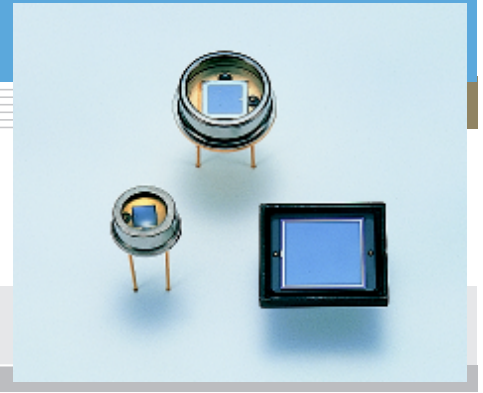


GaAsP photodiode G1126-02, G1127-02, G2119

Schottky type for UV to visible range



Features

- Low dark current
- High UV sensitivity

Applications

- Analytical instruments
- Color identification
- UV detection

■ 本製品は、GaAsP 半導体を用いた Schottky 型フォトダイオードです。紫外線から可視光線まで幅広い波長範囲で高い感度と低い暗電流特性を有しています。

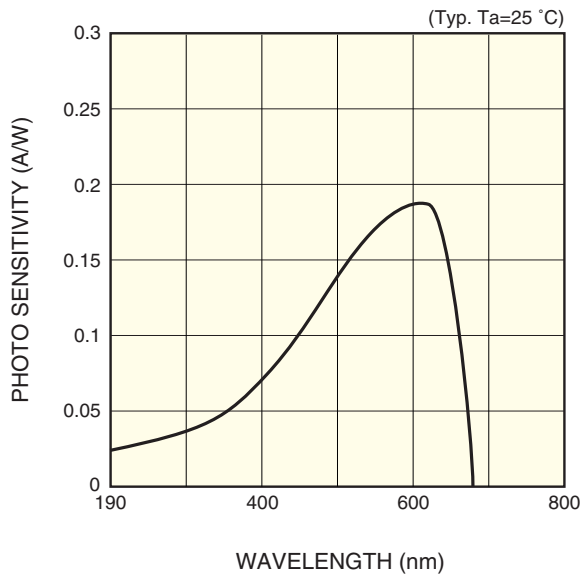
製品名	構造	パッケージ	寸法	重量	特性値		
					感度	暗電流	応答速度
G1126-02	①	5mmφ	5.0mm×5.0mm×2.0mm	0.1g	0.1 A/W	10 pA	10 ns
G1127-02	②	5mmφ	5.0mm×5.0mm×2.0mm	0.1g	0.1 A/W	10 pA	10 ns
G2119	③	5mmφ	5.0mm×5.0mm×2.0mm	0.1g	0.1 A/W	10 pA	10 ns

■ 本製品は、GaAsP 半導体を用いた Schottky 型フォトダイオードです。紫外線から可視光線まで幅広い波長範囲で高い感度と低い暗電流特性を有しています。

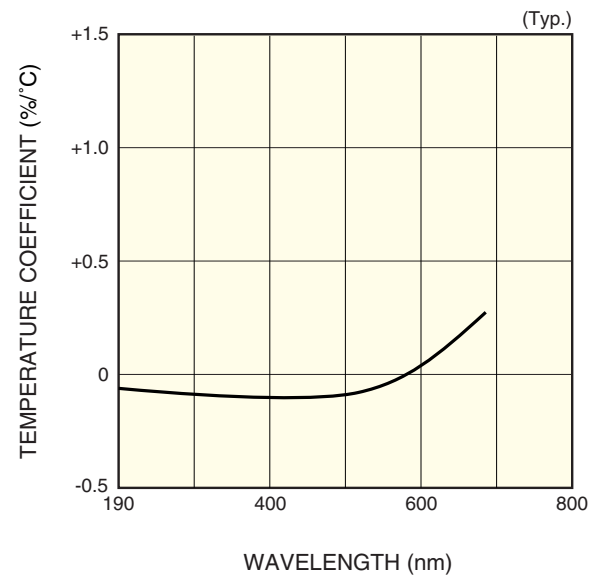
製品名	Spectral response range λ	Peak sensitivity wave-length λ	照射波長			Short circuit current		Temp. coefficient of I _{sc}	Rise time	Terminal capacitance f=10 kHz	出力電圧	
			λ	254 nm	560 nm	He-Ne laser 633 nm	I _{sc} (A)				V _{oc} (V)	I _{sc} (A)
G1126-02	190 to 680	254 nm	0.1 A/W	0.1 A/W	0.1 A/W	0.1 A/W	0.1 A	0.1 %/°C	10 ns	10 pF	0.1 V	0.1 A
G1127-02	190 to 680	254 nm	0.1 A/W	0.1 A/W	0.1 A/W	0.1 A/W	0.1 A	0.1 %/°C	10 ns	10 pF	0.1 V	0.1 A
G2119	190 to 680	254 nm	0.1 A/W	0.1 A/W	0.1 A/W	0.1 A/W	0.1 A	0.1 %/°C	10 ns	10 pF	0.1 V	0.1 A

■ 本製品は、GaAsP 半導体を用いた Schottky 型フォトダイオードです。紫外線から可視光線まで幅広い波長範囲で高い感度と低い暗電流特性を有しています。

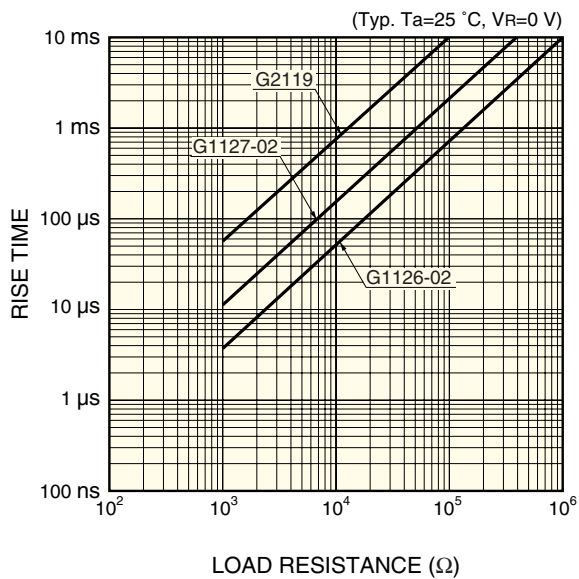
■ Spectral response



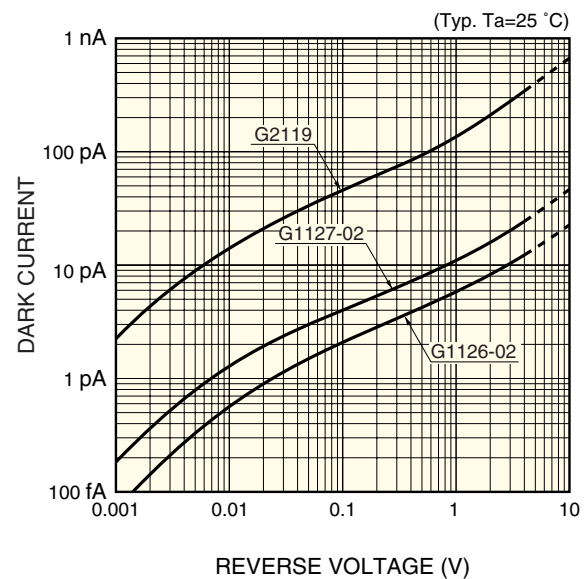
■ Photo sensitivity temperature characteristic



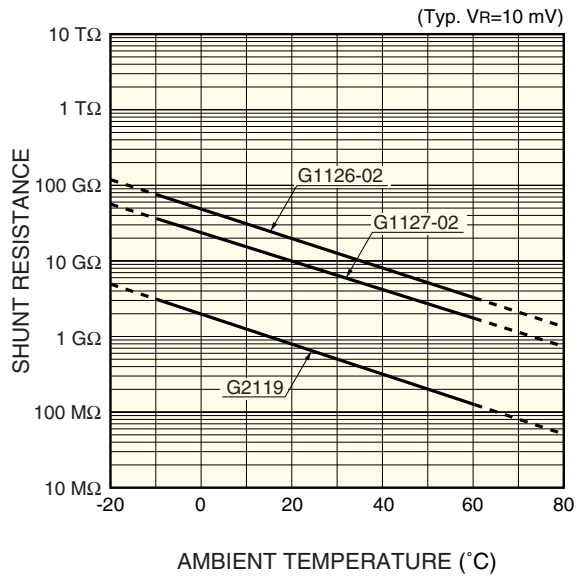
■ Rise time vs. load resistance



■ Dark current vs. reverse voltage

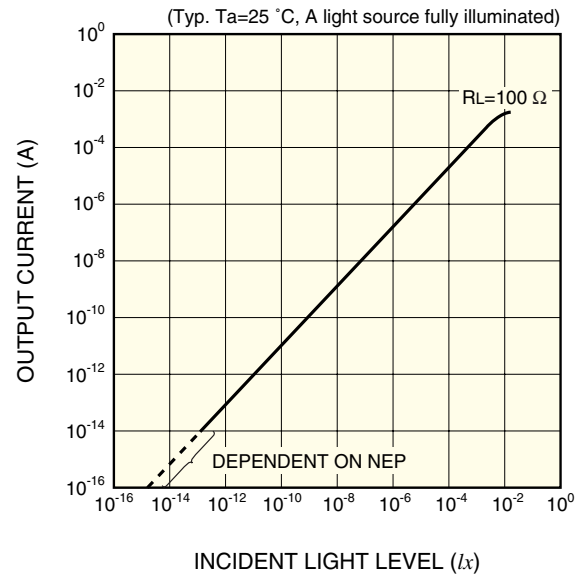


Shunt resistance vs. ambient temperature



KGPDB0038EA

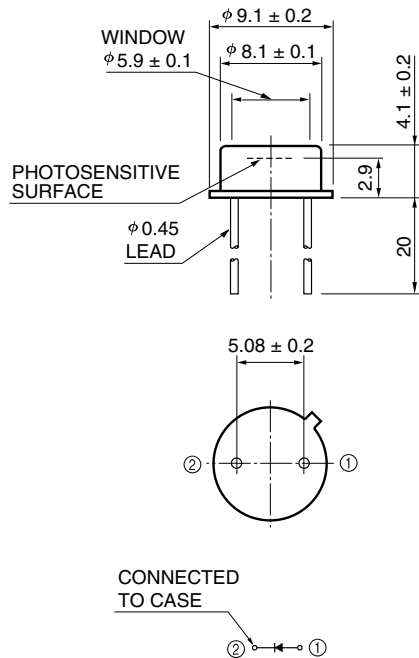
Short circuit current linearity



KGPDB0008EA

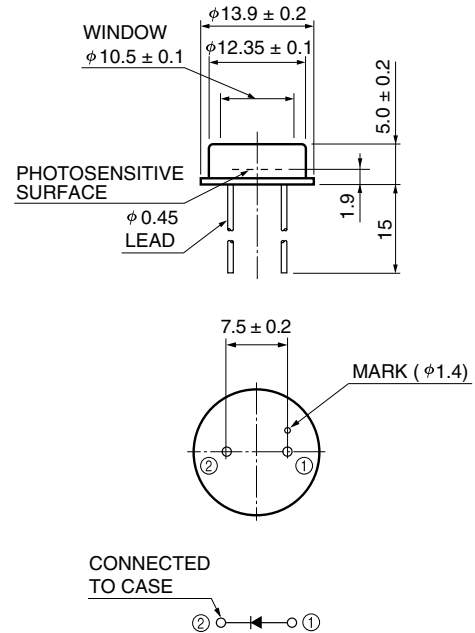
Dimensional outlines (unit: mm)

① G1126-02

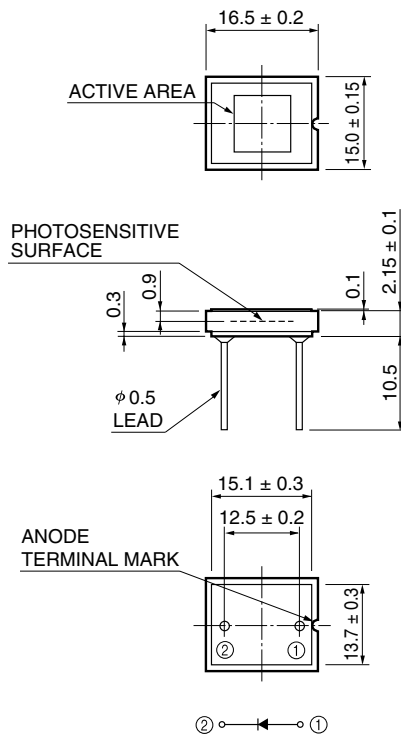


KGPDA0006EA

② G1127-02



KGPDA0007EA

③ G2119

KGPD A0011EA

HAMAMATSU

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