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PIN Photodiode

急出货

KODENSHI

HPI - 6FGR4

The HPI - 6FGR4 is a high - output, high - speed silicon photodiode mounted in a side - viewing plastic package with visible light cutoff filter. This photodiode is both compact and easy to mount.

FEATURES

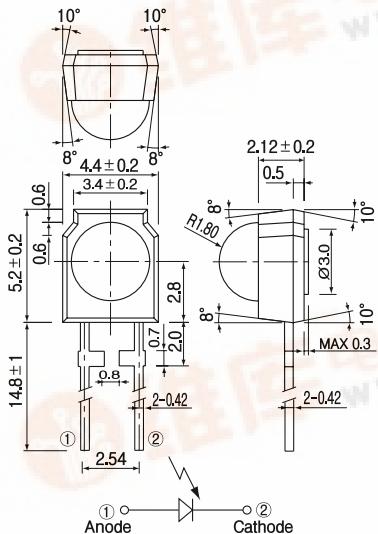
- Compact visible ray widely cut off mold type
- High speed response

APPLICATIONS

- Optical transmission
- Optic receiver modules

DIMENSIONS

(Unit : mm)



MAXIMUM RATINGS

(Ta=25 °C)

Item	Symbol	Rating	Unit
Reverse voltage	V _R	35	V
Power dissipation	P _D	150	mW
Operating temp.	T _{opr.}	- 30 + 70	
Storage temp.	T _{stg.}	- 40 + 80	
Soldering temp.*1	T _{sol.}	260	

*1.For MAX.5 seconds at the position of 2 mm from the package

ELECTRO-OPTICAL CHARACTERISTICS

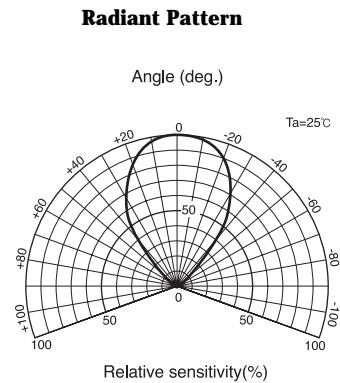
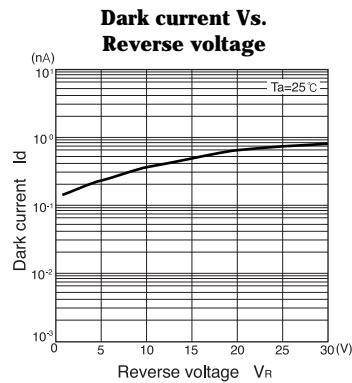
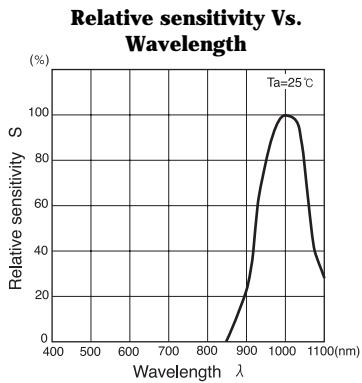
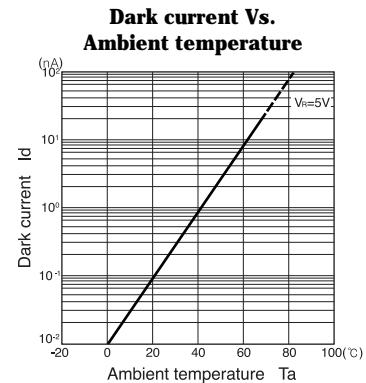
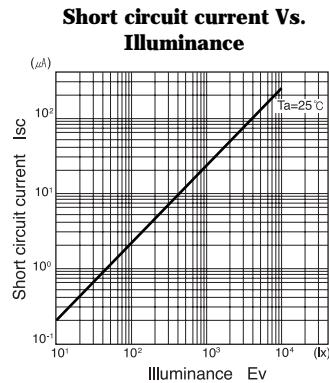
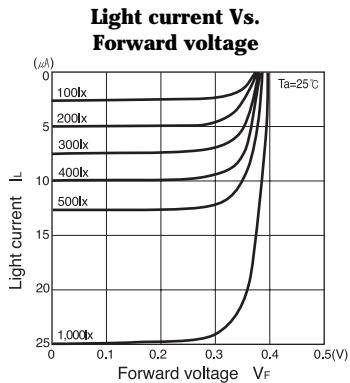
(Ta=25 °C)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit.
Open circuit voltage	V _{oc}	E _i = 1,000lx ²		0.38		V
Short circuit current	I _{sc}	E _v = 1,000lx ²		24		μA
Curve factor	C.F.		0.55			
Dark current	I _d	V _r = 10V			10	nA
Capacitance	C _t	V = 0V, f = 1MHz		24		pF
Temperature coefficient of V _{oc}	t			- 2.2		mV/
Temperature coefficient of I _{sc}	t			0.18		%/
Spectral sensitivity			880 - 1050			nm
Peak wavelength	λ			1,000		nm
Half angle				± 40		deg.

*2.Color temp.: 2856K standard Tungsten lamp

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Capacitance between terminals Vs. Reverse voltage

