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PIN Photodiode

急出货

KODENSHI

HPI - 6FFR4

The HPI - 6FFR4 is a high - output, high - speed silicon PIN photodiode mounted in a sidelooking package. The photodiode is small size, low profile and easy mounting.

FEATURES

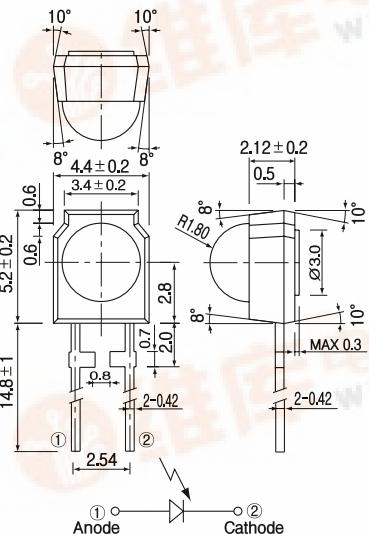
- High - output power
- High - speed response
- Wide angular response
- Low - cost
- Sidelooking plastic package

APPLICATIONS

- Remote control sensors
- Optical switches
- Photocoupler

DIMENSIONS

(Unit : mm)



MAXIMUM RATINGS

(Ta=25)

Item	Symbol	Rating	Unit
Reverse voltage	V _R	35	V
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)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit.
Open circuit voltage	V _{oc}	E _V = 1,000lx ²		0.38		V
Short circuit current	I _{sc}			20		mA
Curve factor	C.F.	V _R = 10V			10	nA
Dark current	I _d		0.55			-
Capacitance	C _t	V = 0V, f = 1MHz		16		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	p			1,000		nm
Half angle				± 35		deg

¹⁾Color temp. = 2856K standard Tungsten lamp

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