

The HPI - 6FH is a high - output, high - speed silicon photodiode mounted in a side - viewing plastic package. This photodiode is both compact and easy to mount.

### FEATURES

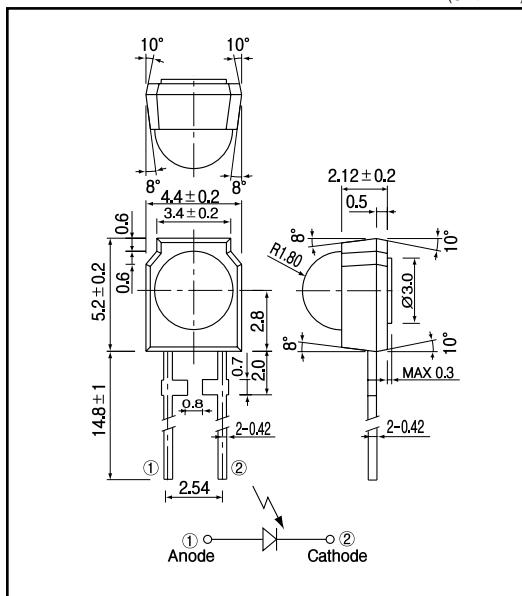
- Plastic mold package
- High speed response

### APPLICATIONS

- Optical pick up

### DIMENSIONS

(Unit : mm)



### MAXIMUM RATINGS

(Ta=25 )

Item	Symbol	Rating	Unit
Reverse voltage	V <sub>R</sub>	30	V
Power dissipation	P <sub>D</sub>	30	mW
Operating temp.	T <sub>opr.</sub>	- 25 + 85	
Storage temp.	T <sub>stg.</sub>	- 40 + 100	
Soldering temp. <sup>**</sup>	T <sub>sol.</sub>	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.
Light current	I <sub>L</sub>	V <sub>R</sub> =10V, E=1000lx <sup>2</sup>	25			µA
Sensitivity	S	V <sub>R</sub> =10V, p=780nm	0.43	0.48		A/W
Dark current	I <sub>D</sub>	V <sub>R</sub> =10V			5.0	nA
Capacitance	C <sub>t</sub>	V <sub>R</sub> =10V, f=1MHz		3.0		pF
Spectral sensitivity				450~1050		nm
Peak wavelength	p			800		nm
Half angle				± 40		deg.
Rise time	tr	V <sub>R</sub> =10V, R=1k , p=780~800nm		10		ns
Fall time	tf			10		ns

<sup>\*\*</sup>2.Color temp.=2856K standard Tungsten lamp

## PIN Photodiode

### HPI - 6FH

