

The HPI - 23G is a high - speed, high - output silicon PIN photodiode mounted in a clear sidelooking package. The photodiode is small size, low profile and easy mounting.

### FEATURES

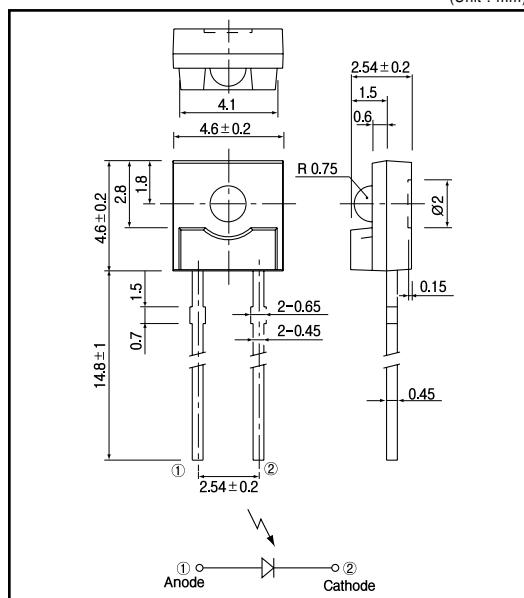
- High - output power
- High - speed response
- Wide angular response
- Low - cost
- Sidelooking plastic package

### APPLICATIONS

- Fiber optic communications
- Optical switches
- Photocoupler

### DIMENSIONS

(Unit : mm)



### MAXIMUM RATINGS

(Ta=25 )

Item	Symbol	Rating	Unit
Reverse voltage	V <sub>R</sub>	40	V
Operating temp.	T <sub>opr.</sub>	- 20 ~ + 85	
Storage temp.	T <sub>stg.</sub>	- 30 ~ + 100	
Soldering temp. <sup>1)</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.
Open circuit voltage	V <sub>oc</sub>			0.4		V
Short circuit current	I <sub>sc</sub>	E = 1,000lx <sup>-2</sup>	10	16		μA
Sensitivity	S			0.4		A/W
Dark current	I <sub>d</sub>	V <sub>R</sub> = 10V			10	nA
Curve factor	C.F.		0.55			-
Capacitance	C <sub>t</sub>	V = 0V, f = 1MHz		10		pF
Temperature coefficient of V <sub>oc</sub>	t			- 2.2		mV/
Temperature coefficient of I <sub>sc</sub>	t			0.18		%/
Spectral sensitivity			450 ~ 1,050			nm
Peak wavelength	λ			920		nm
Half angle				± 30		deg.

\*2.Color temp.=2856K standard Tungsten lamp

## PIN Photodiode

### HPI - 23G

