

# Photointerrupters(Transmissive)

KODENSHI

LG - 217

LG - 217 photointerrupter combines high output GaAs IRED with photo IC.

The sensor makes possible easy development of objectdetecting systems with high performance, high reliability and small equipment size.

## FEATURES

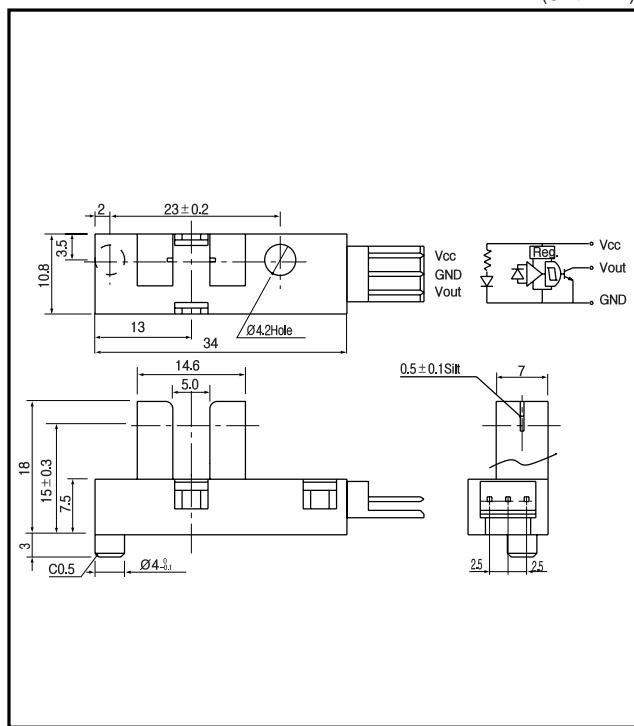
- Compatible to TTL and LSTTL
- Built Amplifier and Schumitt Trigger
- Easy

## APPLICATIONS

- Floppy disk drives
- Copiers
- Facsimiles
- Paper sensors

## DIMENSIONS

(Unit : mm)



## MAXIMUM RATINGS

(Ta=25 °C)

Item	Symbol	Rating	Unit
Supply voltage	V <sub>cc</sub> max.	8	V
Output voltage	V <sub>out</sub>	16	V
Low level output current	I <sub>OL</sub>	16	mA
Operating temp.	T <sub>opr.</sub> <sup>**</sup>	- 25 ~ + 55	
Storage temp.	T <sub>stg.</sub> <sup>**</sup>	- 40 ~ + 85	

<sup>\*\*</sup>1. The connector shall be inserted or pulled out at normal temperature.

## ELECTRO-OPTICAL CHARACTERISTICS

(Ta=25 °C)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit.
Supply voltage	V <sub>cc</sub>			5 ± 10%		V
High level output voltage	V <sub>OH</sub>	V <sub>cc</sub> =5V, R <sub>L</sub> =47K	45			V
Low level output voltage	V <sub>OL</sub>	V <sub>cc</sub> =5V, I <sub>OL</sub> =15mA			0.4	V
Output form				NPN		-
Frequency	f	V <sub>cc</sub> =5V, R <sub>L</sub> =47K	3,000			Hz
Current consumption	I <sub>cc</sub>	V <sub>cc</sub> =5V			35	mA

## Photointerrupters(Transmissive)

LG - 217

