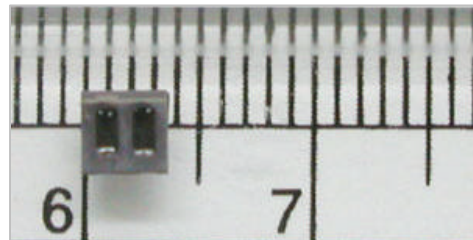


## Subminiature Photo Interrupter KDG-104

### Features

- Digital Output
  - : Directly connect to a microcomputer digital port.
- Hysteresis
  - : Stable against chattering of the object.
- High speed response
  - : Faster than transistor output type.

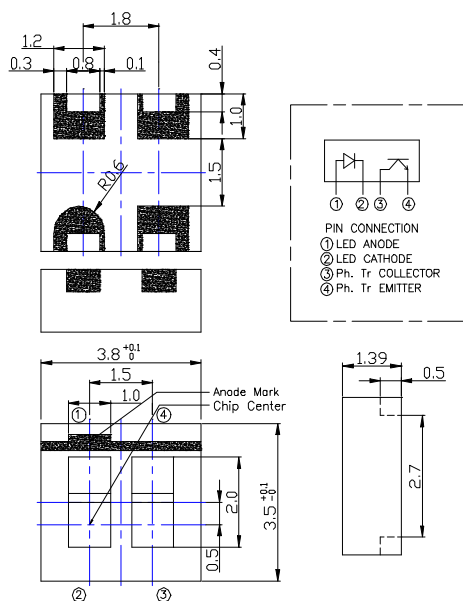


### Specifications

- Input forward voltage :  $V_F=1.3V$  MAX. ( $\lambda_P=940nm$ )
- Operating supply voltage :  $V_{CC}=2.0\sim7.0V$
- Threshold input current :  $I_{FLH}=2.0\sim7.2mA$  ( $V_{CC}=5V$ ,  $R_E=100\Omega$ )
- Hysteresis :  $I_{FHL}/I_{FLH}=0.85$  TYP. ( $V_{CC}=5V$ ,  $R_E=100\Omega$ )
- $t_r=4.5\mu s$ ,  $t_f=25\mu s$  ( $V_{CC}=5V$ ,  $I_F=20mA$ ,  $R_E=100k\Omega$ )



### Outline Dimensions



### Application

- Detection of paper marks
- Detection of high speed object
- Detection of bar codes
- Portable Video camera
- Printer
- Projector
- Porjection TV
- Card reader

### Description

- Subminiature type : 3.8(w)\*3.5(l)\*1.39(t)mm
  - : easy to mount PCB surface, required minimal space
- High reliability, Low power dissipation and Long life span.
- Thermal resistance and Chemical resistance
  - : Ceramic Package. It can applied to high temperature for Pb-Free process.
- It's free from Environmental hazardous substances(Pb, Hg, Cd, Cr+6, PBB, PBDE).
- It is designed for use in general electric equipments such as OA, Home appliances, Industrial sensors, etc.

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