

# SIC504L

## PHOTO INTERRUPTER

### Dimensions

(Unit: mm)

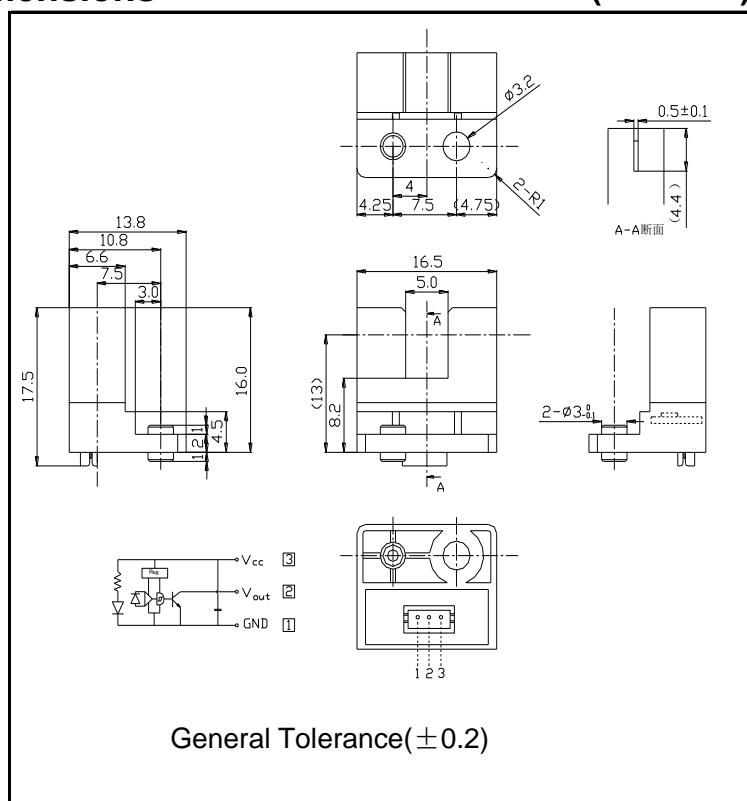
SIC504L is a transmission type photointerrupter combined high power infrared LED with photo IC. Being suitable for highly accurate position detecting, it is great help in developing an object detecting system of high performance and high reliability.

### Features

- Gap width: 5mm
- Connector Type (JST B3B-ZR-ST(LF)(SN)
- With an installation positioning boss
- Screw attachment
- Detecting & emitting field with visible ray filter

### Applications

- Amusement machine
- Copier
- ATM
- Printer
- Ticket vending machine
- Exchanging machine



### MAXIMUM RATINGS

(Ta=25°C)

Item	Symbol	Ratings	Unit
Supply Voltage	V <sub>cc</sub>	-0.5~8	V
Output Voltage	V <sub>o</sub>	-0.5~12	V
Low Level Output Current	I <sub>OL</sub>	30	mA
Power Dissipation	P <sub>D</sub>	200	mW
Operating Temp.	*1*2 Topr.	-20~+75	°C
Storage Temp.	*1*2 Tstg.	-30~+85	°C

\* 1 The connector shall be inserted or pulled out at normal temperature

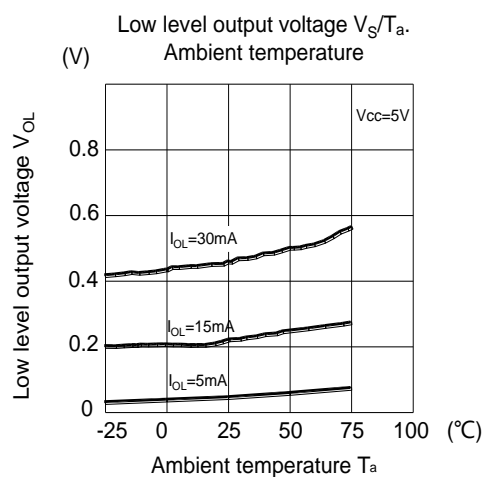
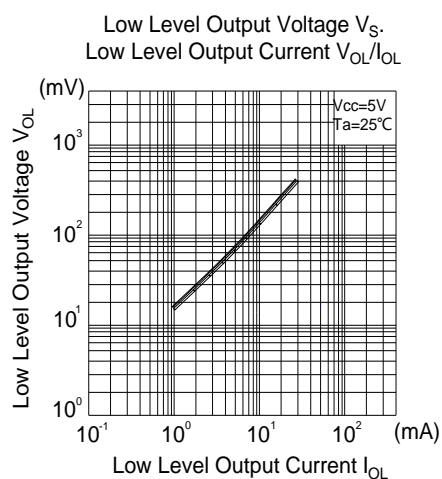
\* 2 No icebound or dew

The contents of this data sheet are subject to change without advance notice for the purpose of improvement. When using this product, would you please refer to the latest specifications.

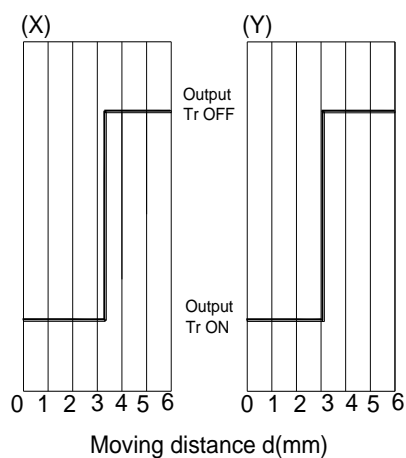
## Electro-Optical Characteristics

(Ta=25°C)

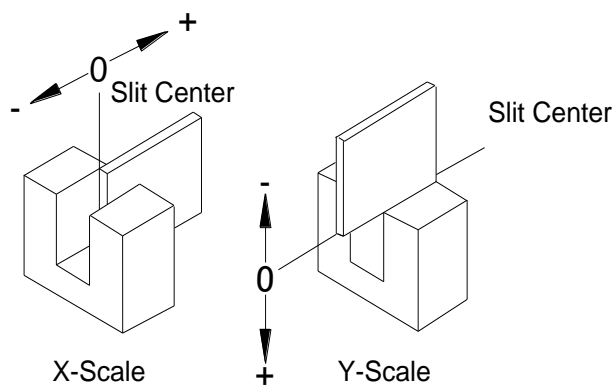
Item	Symbol	Conditions	Min	Typ	Max	Unit
Operating Supply Voltage	V <sub>CC</sub>	-	4.5	-	5.5	V
Low Level Output Voltage	V <sub>OL</sub>	V <sub>CC</sub> =5V, I <sub>OL</sub> =16mA, Non-Shading	-	0.2	0.4	V
High Level Output Voltage	V <sub>OH</sub>	V <sub>CC</sub> =5V, R <sub>L</sub> =10kΩ, Shanding	4.5	-	-	V
Low Level Supply Current	I <sub>CCL</sub>	V <sub>CC</sub> =5V, Non-Shading	-	17	25	mA
High Level Supply Current	I <sub>CCH</sub>	V <sub>CC</sub> =5V, Shanding	-	17	25	mA
Frequency	f	V <sub>CC</sub> =5V, R <sub>L</sub> =10kΩ	3000	-	-	Hz



## Position detection characteristics\*1



## \*1 Position detection measuring method



## PHOTO INTERRUPTER

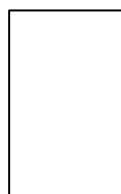
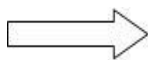
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### Packing Specification

- 1.Fixed quantity (max 100pcs) of the products are packed into plastic bag
- 2.20 bags of the products are put into #2 Box(max 2,000pcs)
3. Two #2 Boxes are put into #3 Box(max 4,000pcs )
- 4.Paste packing slip



SIC504L



#2 BOX (2K pcs)\*2



#3 Box (4K pcs)and Packing Slip