

KI667,668

Description

Model **KI667/668** consist of an Infra Red LED and a High sensitive Photo IC(Digital Output).

Feature

- Built-in amplifier.
- For paper dust: Visible Light cut resin.
- Wide gap-8mm, Deep ditch-22mm.
- Custom model in Beam axis is available in range of 11mm.
- The other model of supply voltage at DC5V ;
Low level at emitting ... **KI661**
High level at emitting ... **KI662**

Application

- Object passing for Card reader, Bill exchanger.
- Coin-passing for Auto vending machine and Amusement.
- Paper detection for O.A. equipment.

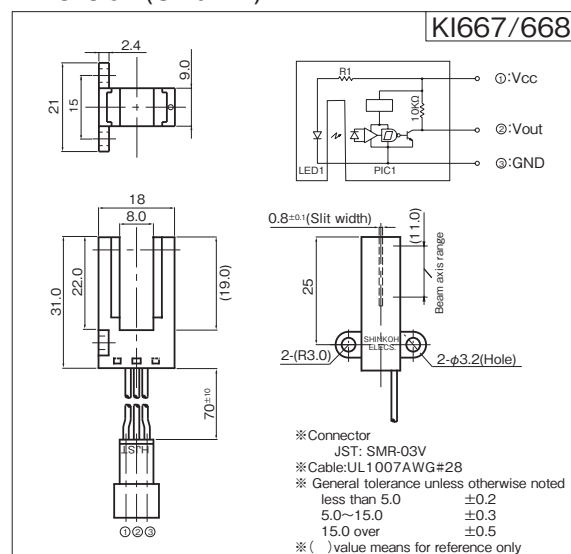
Absolute Maximum Ratings

[Ta=25°C Unless otherwise noted]

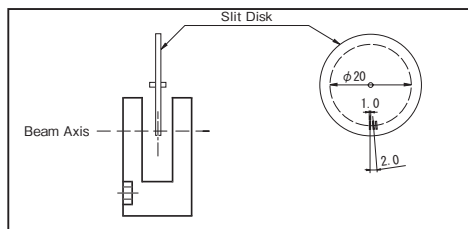
Item	Symbol	Rating	Units
Supply Voltage	V _{CC}	13.5	V
Low Level Output Current	I _{OL}	50	mA
Operating Temperature	T _{opr}	-20 ~ +75	°C
Storage Temperature	T _{stg}	-40 ~ +80	°C

Wide Gap • Slit less type

Dimension (Unit:mm)



Model	Operating mode
KI667	at Beam detecting Low
KI668	at Beam detecting High



Note: Each value shown at rotating of slit disk.
Don't output as DC.

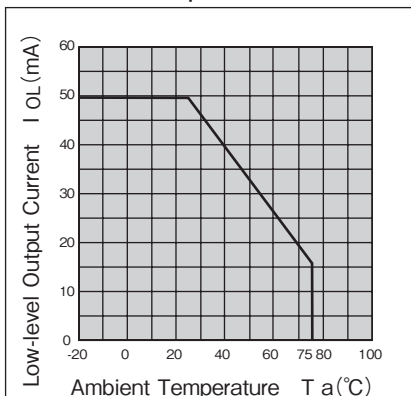
Electro-Optical Characteristics [V_{CC}=12V,Ta=25°C Unless otherwise noted]

Item	Symbol	Condition	min.	typ.	max.	Units
Supply Voltage	V _{CC}		10.8	12.0	13.2	V
Low Level Supply Current	I _{CCL}	KI667 at Beam detecting	—	—	25	mA
		KI668 at Light block by object	—	—	25	
High Level Supply Current	I _{CCH}	KI667 at Light block by object	—	—	25	mA
		KI668 at Beam detecting	—	—	25	
Low Level Output Voltage	V _{OL}	KI667 at Beam detecting	—	—	0.4	V
		KI668 at Light block by object	—	—	0.4	
High Level Output Voltage	V _{OH}	KI667 at Light block by object	V _{CC} × 0.9	—	—	V
		KI668 at Beam detecting	V _{CC} × 0.9	—	—	
Frequency	f		3000	—	—	Hz
Response Time	Rise		—	0.86	—	μ sec
	Fall		—	0.03	—	

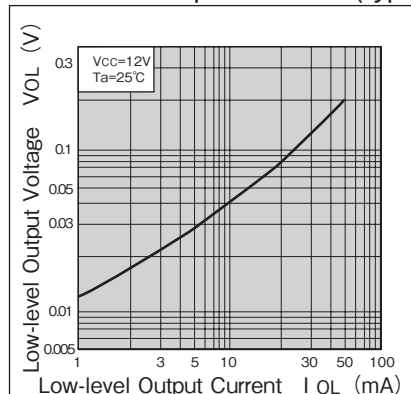
KI667/668

Note: Operation never exceeds each value of Absolute Maximum Ratings.

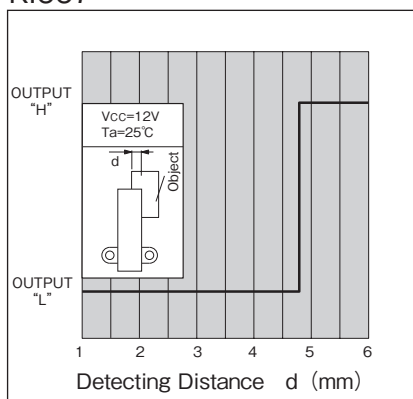
Low-level Output Current vs. Ambient Temperature



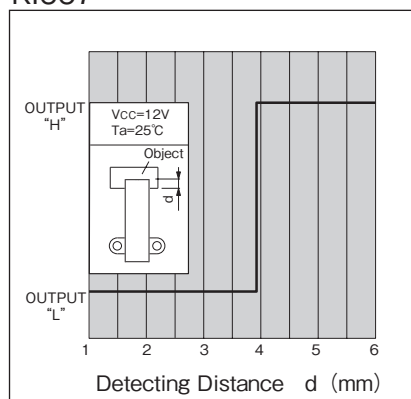
Low-level Output Voltage vs. Low-level Output Current (typ.)



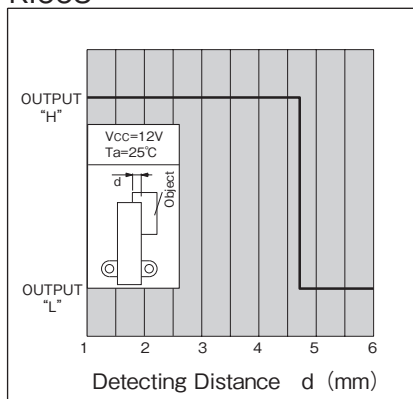
Detecting Position 1 (typ.)
KI667



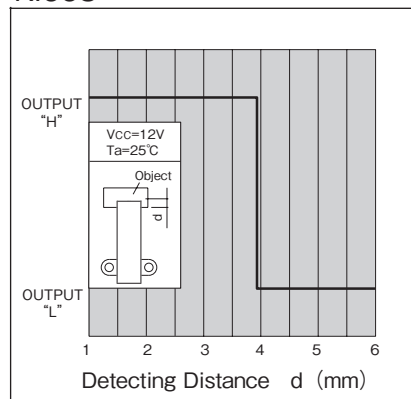
Detecting Position 2 (typ.)
KI667



Detecting Position 1 (typ.)
KI668



Detecting Position 2 (typ.)
KI668



- A Custom designed package is available on request.
- Specification are subject to change without notice.

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