CLOUDUPPER

东莞市亿彩电子科技有限公司

产品规格书

SPECIFICATION

客户名称customer name：	
客户编码CustomerNo.	
产品类型ProductName ：	光电传感器
产品型号 PartNo.：	YC008
版本 Version：	V1.2
发布日期 Date:	2018-3-25

客户承认 APPROVED BY CUSTOMER			亿彩承认 APPROVED BY CLOUDUPPER		
确认意见 COMMENTS	审核 CHECKED BY	批准 APPROVED BY	编写 PREPARED BY	审核 CHECKED BY	批准 APPROVED BY
			丁煜城	钟永成	田勇
判定: Judge outcome:			判定: Judge outcome:		OK



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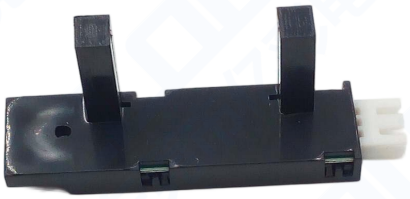
本规格书仅用于双方交流用需经双方签订后方可生效，自签订后有效期为两年，期满后需以书面形式续签。最终解释权为亿彩所有。
This product specification is only used for technical communication.Only after the signature or seal, the specifications have the force of law.since the signing of the validity period of two years, after the expiration of the written renewal. The final interpretation right is owned by the CLOUDUPPER

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DONG GUAN EVERCOLOR ELECTRONICS CO.,LTD.

YC-008

■ Features

1. Uses 3-pin connector terminal
2. High sensing accuracy (Slit width : 0.5mm)
3. Wide gap between light emitter and detector (5mm)



■ Applications

1. Copiers, Printers
2. Facsimiles

■ Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Rating	Unit
Suppl voltagey	V_{CC}	−0.5 to +8	V
*1 Output voltage	V_{OUT}	−0.5 to +28	V
*2 Low level output current	I_{OL}	50	mA
*3 Operating temperature	T_{opr}	−20 to +75	°C
*3 Storage temperature	T_{stg}	−40 to +85	°C

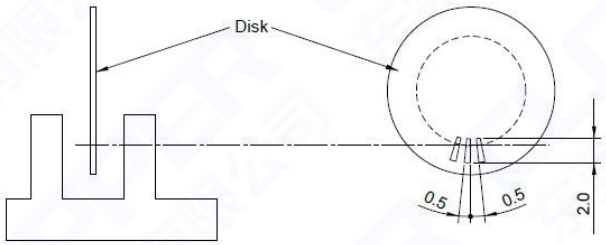
*1 Collector-emitter voltage of output transistor.
*2 Collector current of output transistor.
*3 The connector should be plugged in/out at normal temperature.

■ Electro-optical Characteristics (Unless otherwise specified, Vcc=5V, Ta=25°C)

Parameter	Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Operating supply voltage	V_{CC}		4.5	–	5.5	V
Low level supply current	I_{CCL}	Light beam uninterrupted	–	–	30	mA
Low level output voltage	V_{OL}	Light beam uninterrupted, I_{OL}=16mA	–	–	0.35	V
High level supply current	I_{CCH}	Light beam interrupted	–	–	30	mA
High level output voltage	V_{OH}	Light beam interrupted, R_L=47kΩ	Vcc×0.9	–	–	V
*4 Response frequency	f	No DC output is allowed, R_L=47kΩ	–	–	3 000	Hz

*4 Refer to Fig.1

Fig.1 Response Frequency



Response frequency is measured with the disk shown below being rotated. (Unit : mm)

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Fig.2 Low Level Output Current vs. Ambient Temperature

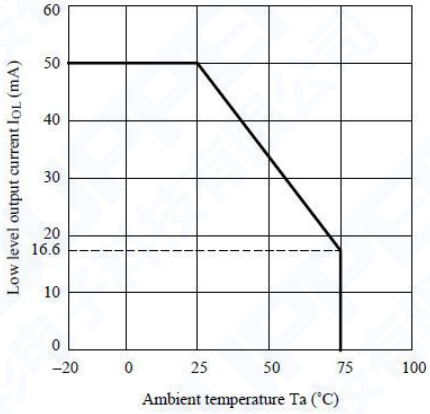


Fig.3 Low Level Output Voltage vs. Low Level Output Current

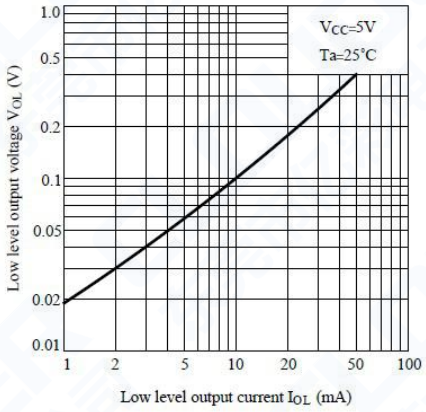


Fig.4 Low Level Output Voltage vs. Ambient Temperature

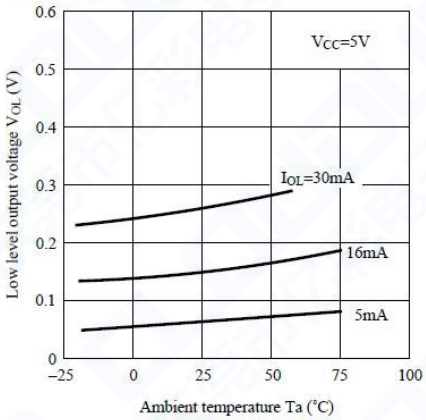


Fig.5 Supply Current vs. Supply Voltage

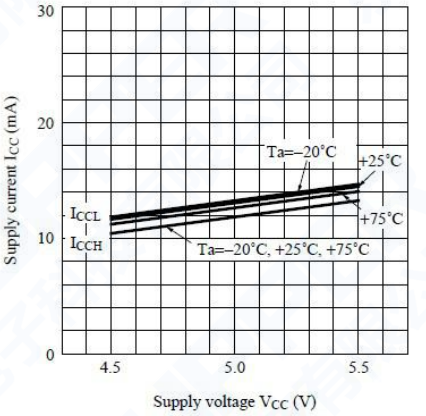


Fig.6 Detecting Position Characteristics (1)

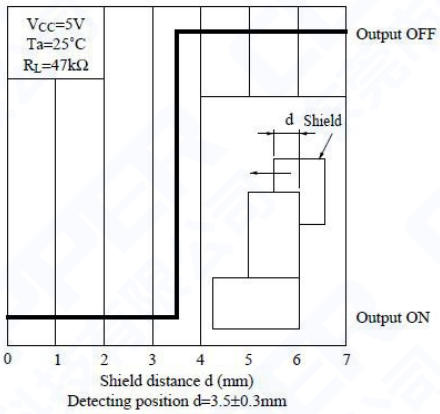
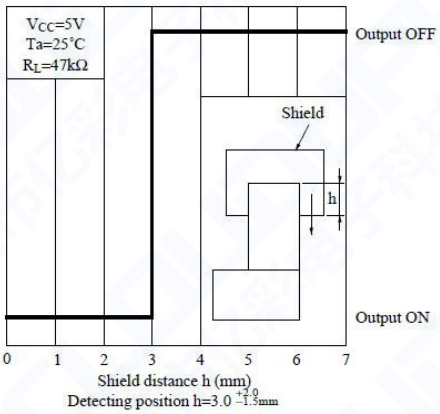


Fig.7 Detecting Position Characteristics (2)



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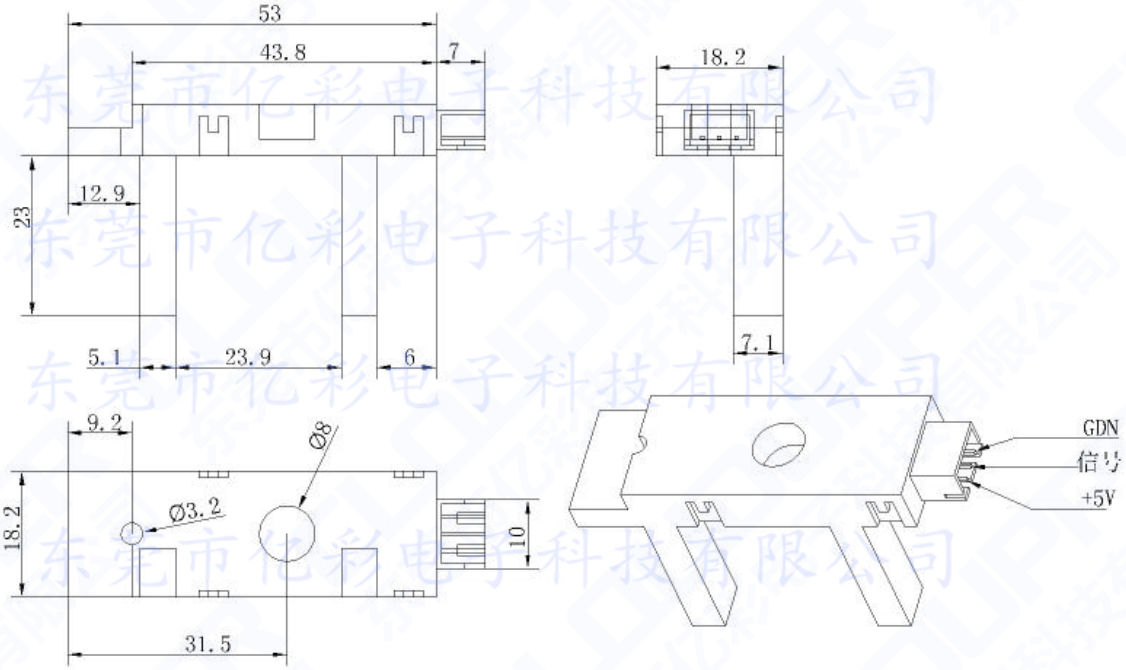
■ Recommended Connectors on the Inserted Side

◆ **JAPAN SOLDERLESS TERMINAL MFG. CO., LTD. made** (Natural color • bulk)

Housing Model No.	H3P-SHF-AA			S3P-SHF-1		
Special terminal Model. No.	AWG size	Material	Model No.	AWG size	Material	Model No.
	AWG 28 to 22	Brass	SHF-001T-0.8SS	AWG 27 to 22	Brass	SHF-001T-0.8P
		Copper phosphide	SHF-001T-0.8BS		Copper phosphide	–
	AWG 30 to 28	Brass	SHF-002T-0.8SS	AWG 30 to 28	Brass	SHF-002T-0.8P
		Copper phosphide	SHF-002T-0.8BS		Copper phosphide	–

■ Outline Dimensions

(Unit : mm)



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