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.：	YCM508
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

联系电话（Tel）：0769-82887096　　手机（Mob）：18822950219（微信同号）

邮箱（Email）：yicai@irsenor.com　　yicai@chumokuang.com

网站(Web)：www.irsenor.com　　www.chumokuang.com　　www.cloudupper.cn

地址（Add）：广东省东莞市虎门镇沙角富民路11号

Address: No.11, Shajiao Fumin Road, Humen Town, Dongguan City, Guangdong Province

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YCM508
Photo Interrupter

YCM508 is a dust-proof photoelectric circuit breaker with high performance, combines high-output GaAs IRED with high sensitive phototransistor.

Features

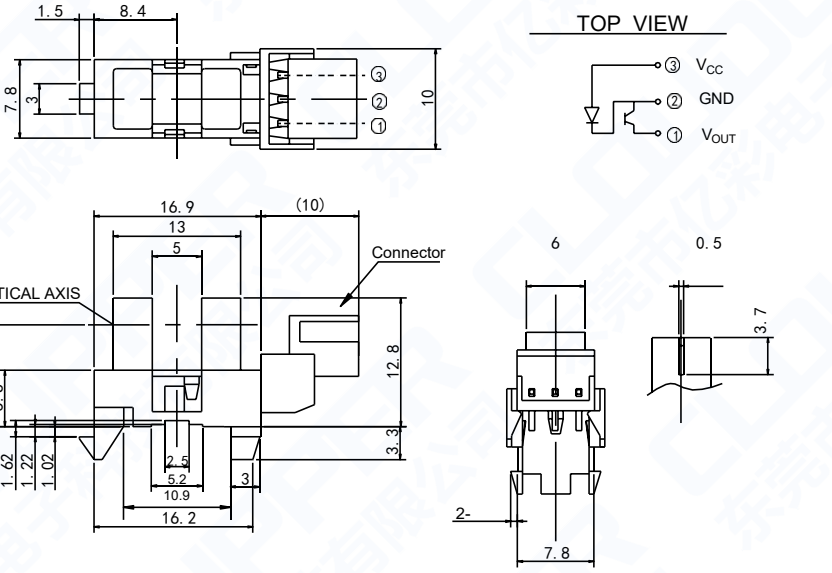
- Connector type AMP(JAPAN) ,Ltd.
- GAP:5.0mm
- Snap-in mount
- 3 kinds of mounting plate thickn-esses :1.0mm, 1.2mm, 1.6mm

Applications

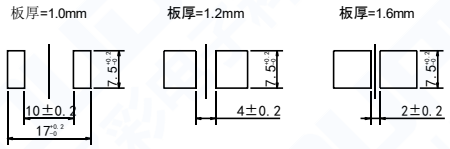
- Printers
- ATM
- Ticket vending machines
- Copiers

Dimensions

(Unit: mm)



Recommended Installation Hole Drawing



注:
1、Connector型号: CONN 292130-3;
2、General Tolerance(±0.2).

Maximum Ratings

(Ta=25℃)

Item		Symbol	Rating	Unit
Input	Power dissipation	P_D	75	mW
	Forward current	I_F	50	mA
	Reverse voltage	V_R	5	V
Output	Collector power dissipation	P_C	75	mW
	Collector current	I_C	20	mA
	Collector-Emiter voltage	V_{CEO}	30	V
	Emiter-Collector voltage	V_{ECO}	5	V
Operating temperature		Topr.	-20 ～ +85	℃
Storage temperature *1		Tstg.	-30 ～ +85	℃
Soldering temperature *2		Tsol.	260	℃

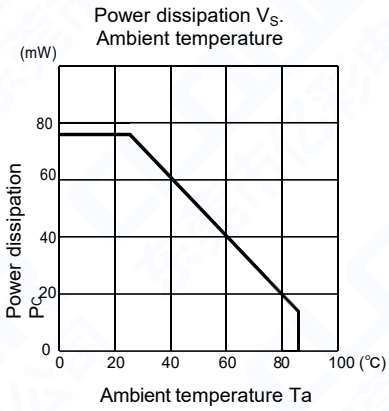
*1. No icebound or dew.

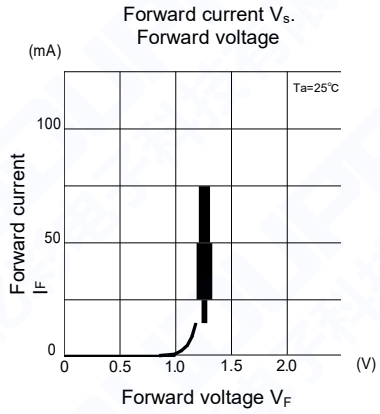
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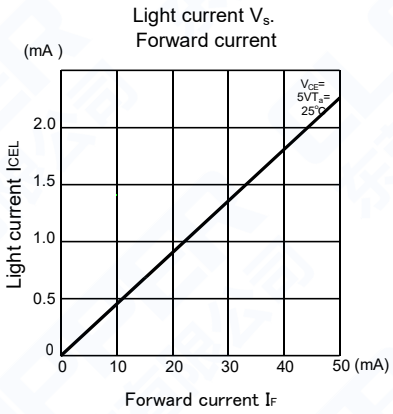
Elector-Optical Characteristics

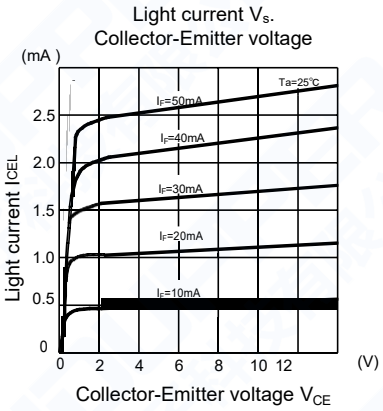
(Ta=25℃)

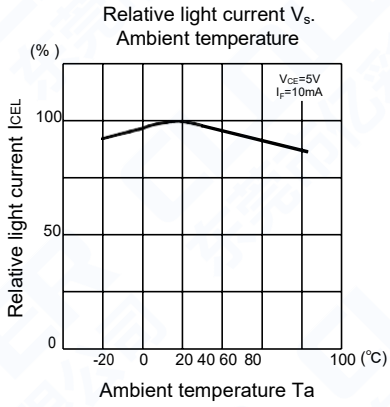
Item		Symbol	Conditions	Min.	Typ.	Max.	Unit
Input	Forward voltage	V_F	I_F=20mA	-	1.2	1.4	V
	Reverse current	I_R	V_R=5V	-	-	10	μA
	Peak wavelength	λ_P	I_F=20mA	-	940	-	nm
Output	Dark current	I_{CEO}	V_{CE}=10V E_V=0 lx	-	-	1	μA
	Peak SENS.Wavelength	λ_P	-	-	880	-	nm
Transfer charact-eristics	Light current	I_{CEL}	I_F=20mA V_{CE}=5V 入光状态（Non-Shading）	1	-	15	mA
	Leak current	I_{CEOD}	I_F=20mA V_{CE}=5V 遮光状态（Shading）	-	0.5	10	μA
	C-E sat.voltage	$V_{CE(sat)}$	I_F=20mA I_C=0.05mA	-	0.15	0.4	V
	Rise time	tr	I_C=2mA V_{CC}=5V R_L=100 Ω	-	4	-	μs
	Fall time	tf		-	5	-	μs

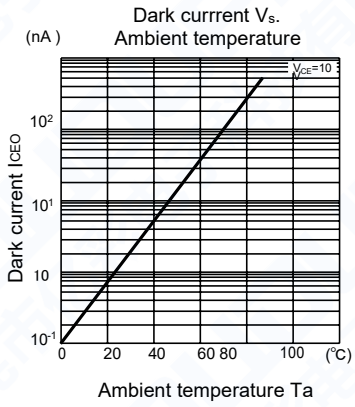






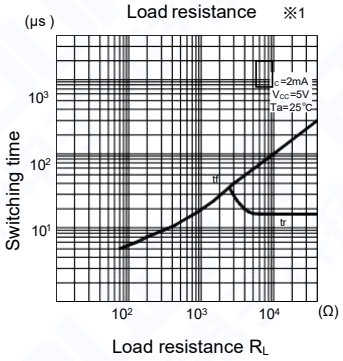






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Switching time V_S.
Load resistance ※1



Emitting diode Relative intensity V_S.
Wavelength

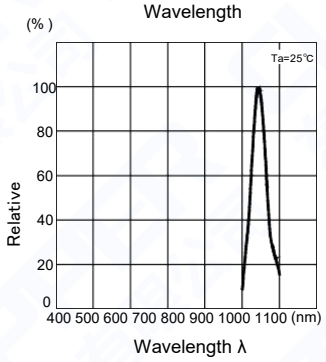
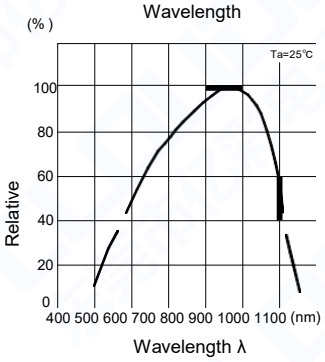
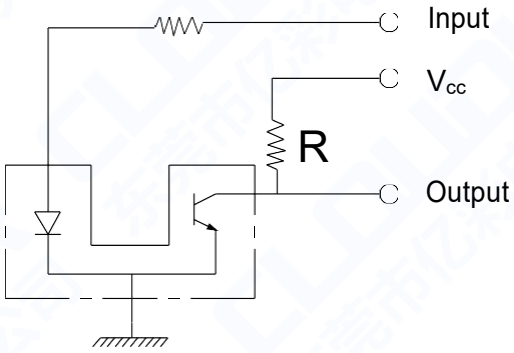
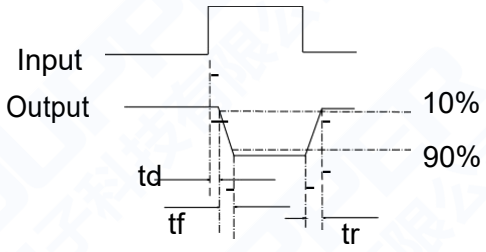


Photo transistors relative sensitivity V_S.
Wavelength

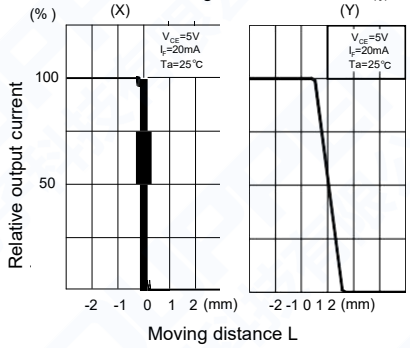


※ 1 Switching time measurement circuit

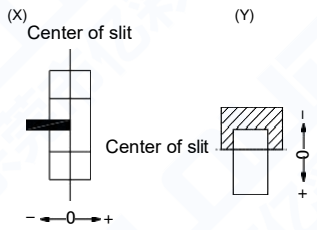




Relative output current V_S.
Moving distance ※2



※ 2 Method of measure possition detection characteristic



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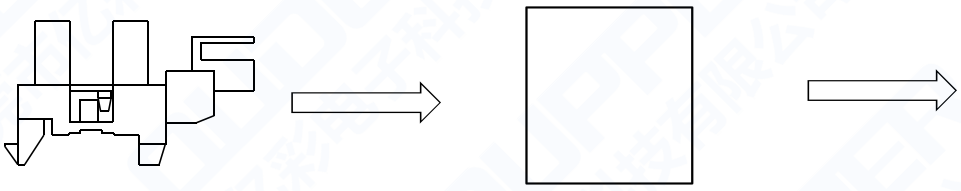
Packing Specification

1.Fixed quantity (max 500pcs) of the products are packed into plastic bags

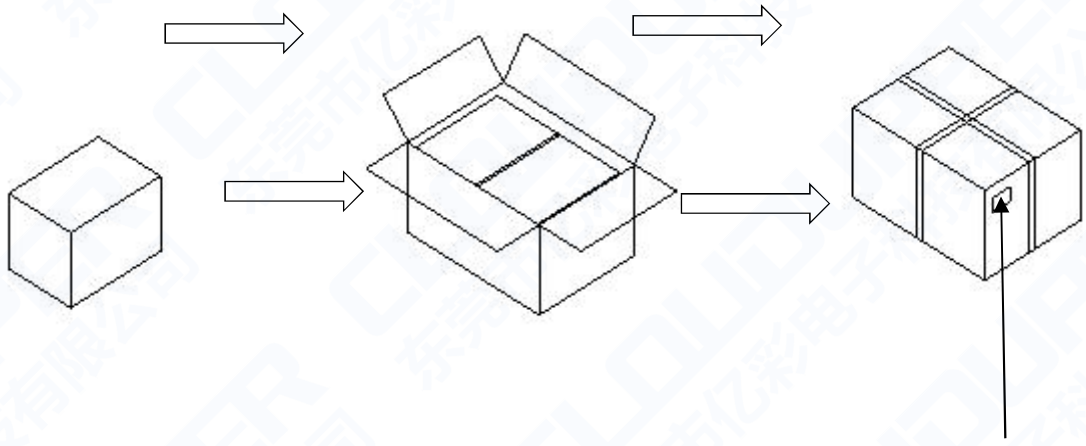
2.Four bags of the products are put into #2 Box(max 2000pcs)

3. Two #2 Boxes are put into #3 Box(max 4000pcs)

4.Paste packing slit



SIT508 (max 500pcs) plastic bag (300*380)*4



#2 box*2 #3 box(max 4000 pcs) packing slit

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