

东莞市亿彩电子科技有限公司
DONG GUAN EVERCOLOR ELECTRONICS CO.,LTD.

规格书

SPECIFICATION

型号： MODEL：	YC1126
版本号： REV：	V1.0

客户承认		
APPROVED BY CUSTOMER		
确认意见 COMMENTS	审核 CHECKED BY	批准 APPROVED BY

客户承认签章后敬请回传正本一份

Please kindly countersign the document and send it back for our record

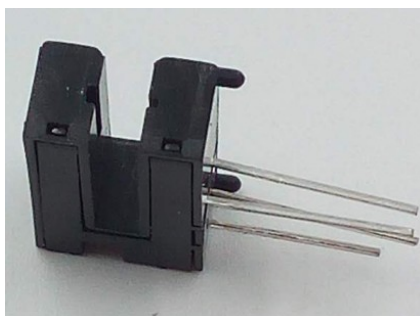
YC1126 is a photointerrupter high-performance standard type, combines high-output GaAs IRED with high sensitive phototransistor

Features

- High speed response
- GAP:2.0mm
- With the installation positioning boss

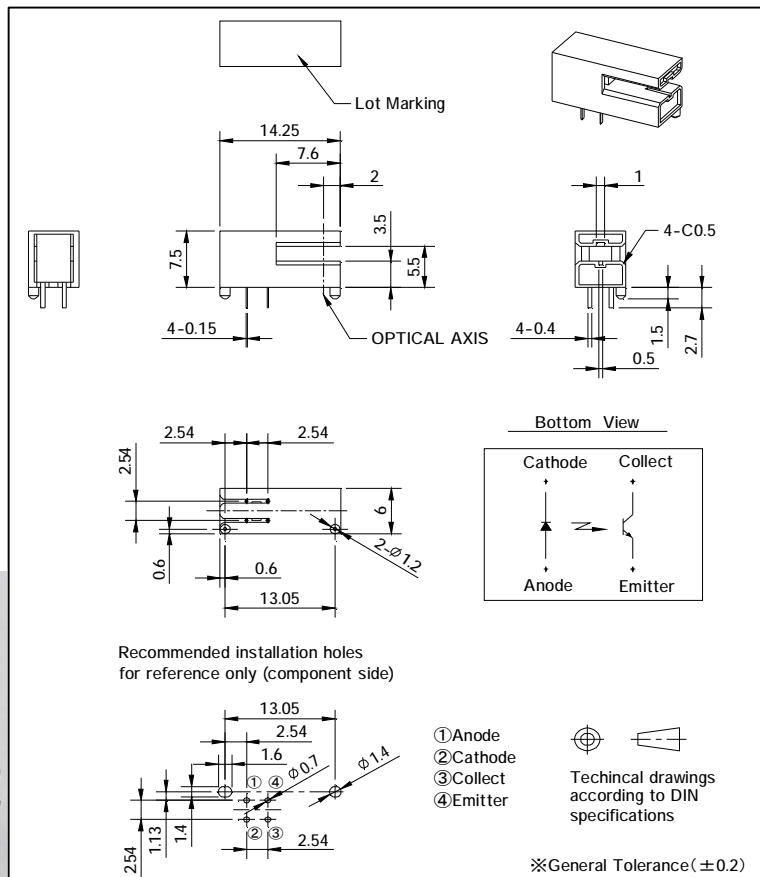
Applications

- Printer
- Copier
- Fax



Dimensions

(Unit: mm)



Maximum Ratings

(Ta=25°C)

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-Emitter voltage	V_{CEO}	30	V
	Emitter-Collector voltage	V_{ECO}	5	V
Operating temperature		$T_{opr.}$	-20 ~ +85	°C
Storage temperature ^{*1}		$T_{stg.}$	-30 ~ +85	°C
Soldering temperature ^{*2}		$T_{sol.}$	260	°C

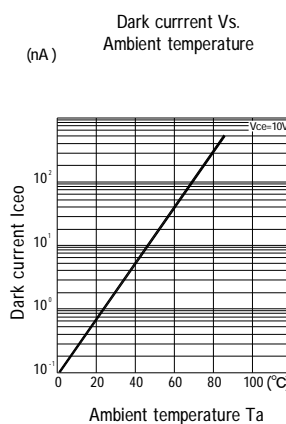
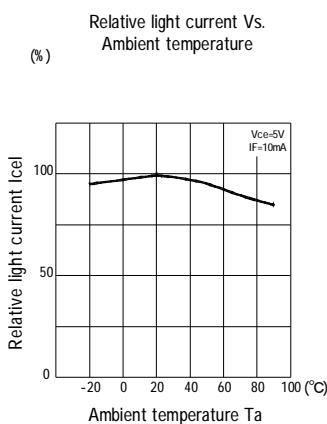
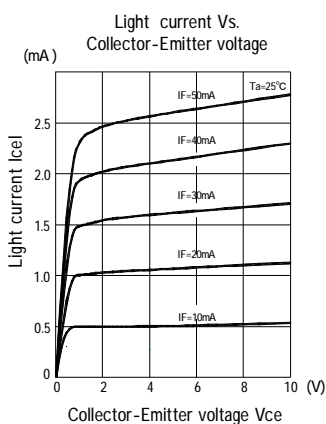
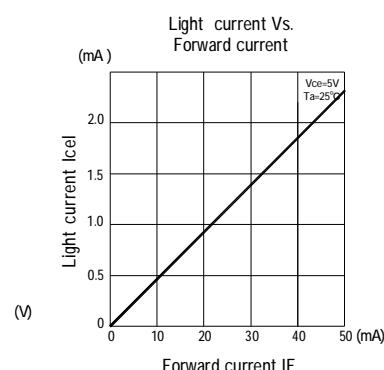
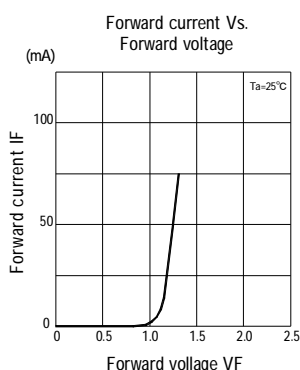
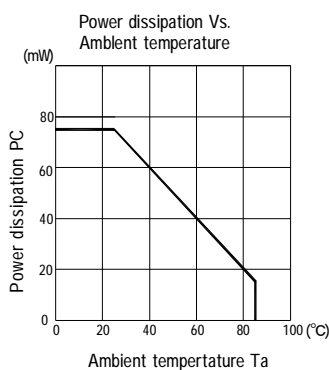
*1 No icebound or dew.

*2 The soldering should be 1mm away from bottom of the holder t=within 5s

Electro-Optical Characteristics

(Ta=25°C)

Item		Symbol	Conditions	Min.	Typ.	Max.	Unit
Input	Forward voltage	V_F	$I_F=20\text{mA}$	-	1.2	1.4	V
	Reverse current	I_R	$V_R=5\text{V}$	-	-	10	μA
	Peak wavelength	λ_P	$I_F=20\text{mA}$	-	940	-	nm
Output	Dark current	I_{CEO}	$V_{CE}=10\text{V } E_V=0 \text{ lx}$	-	-	1	μA
	Peak SENS.Wavelength	λ_P	-	-	880	-	nm
Transfer characteristics	Light current	I_{CEL}	$I_F=20\text{mA } V_{CE}=5\text{V}$ 入光状态 (Non-Shading)	0.5	-	10	mA
	Leak current	I_{CEOD}	$I_F=20\text{mA } V_{CE}=5\text{V}$ 遮光状态 (Shading)	-	0.5	10	μA
	C-E sat.voltage	$V_{CE(sat)}$	$I_F=20\text{mA } I_C=0.05\text{mA}$	-	0.15	0.4	V
	Rise time	t_r	$V_{CC}=5\text{V } R_L=1\text{K } \Omega$	-	50	-	μs
	Fall time	t_f		-	50	-	μs

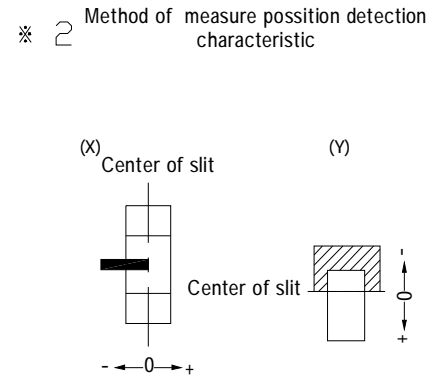
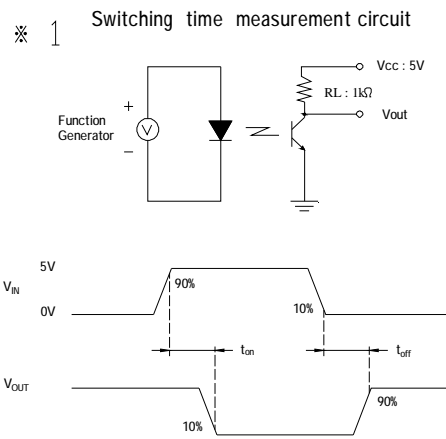
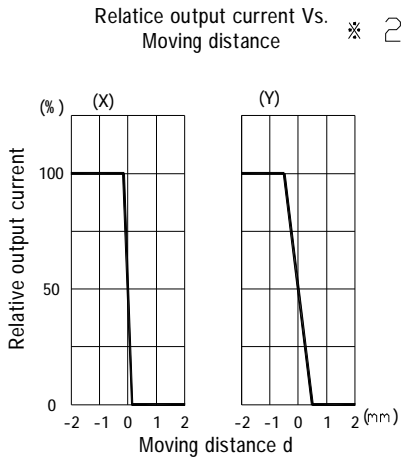
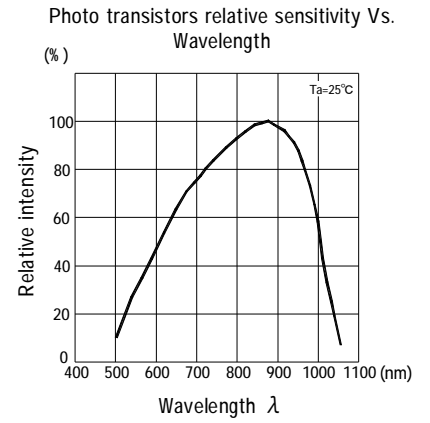
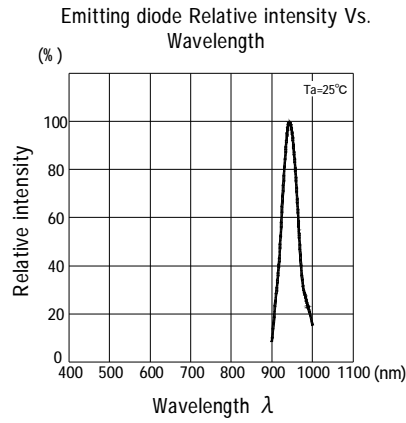
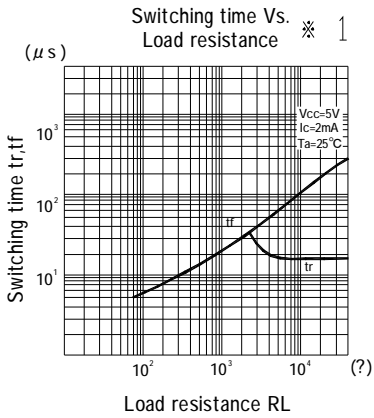


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Photo Interrupter

YC1126



Packing Quantity Specification

250Pcs/Bag,4Bag/Box,10Boxes/Carton

Label Form Specification

The diagram shows a rectangular label form with the following elements:

- Top left: A circle containing 'Pb'.
- Top center: A large empty rectangular box.
- Top right: A circle containing 'X'.
- Below 'Pb': 'CPN:' and 'P/N:' labels.
- Below 'CPN/P/N': A barcode.
- Below the first barcode: 'YC1126'.
- Below 'YC1126': 'QTY:' label.
- Below 'QTY': A barcode.
- Below the second barcode: 'LOT NO:' label.
- Below 'LOT NO': A barcode.
- Below the third barcode: 'Reference' label.
- Below 'Reference': A barcode.
- Center right: A box containing 'RoHS'.
- Below 'RoHS': 'CAT:', 'HUE:', and 'REF:' labels.

CPN: Customer's Production Number

P/N : Production Number

QTY: Packing Quantity

CAT: Ranks

HUE: Peak Wavelength

REF: Reference

LOT No: Lot Number

X: Month

Reference: Identify Label Number

Notes

- 1.All dimensions are in millimeters
- 2.Tolerances unless dimensions $\pm 0.25\text{mm}$
- 3.Lead spacing is measured where the lead emerge from the package
- 4.Above specification may be changed without notice. Dong Guan YICAI will reserve authority on material change for above specification
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