

ITR-1126A/B Photo Interrupter

ITR-1126A/B is a photointerrupter high-performance standard type, combines high-output GaAs IRED with high sensitive phototransistor

Features

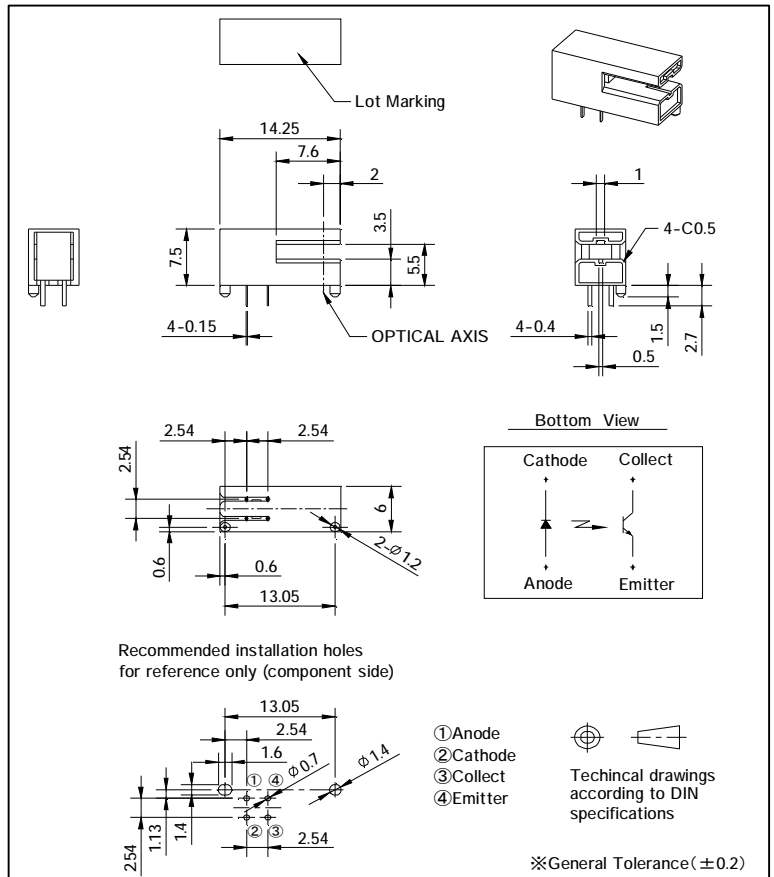
- High speed response
- GAP:2.0mm
- With the installation positioning boss

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

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Elector-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	tr	$V_{CC}=5\text{V } R_L=1\text{K } \Omega$	-	50	-	μs
	Fall time	tf		-	50	-	μs

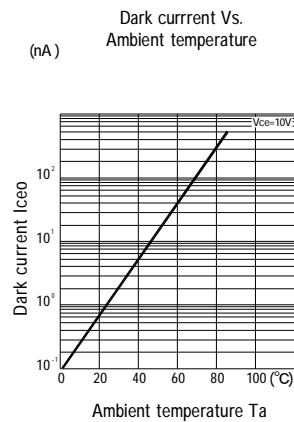
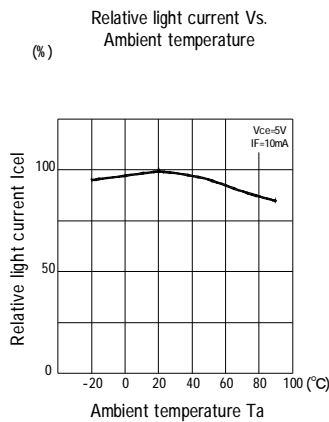
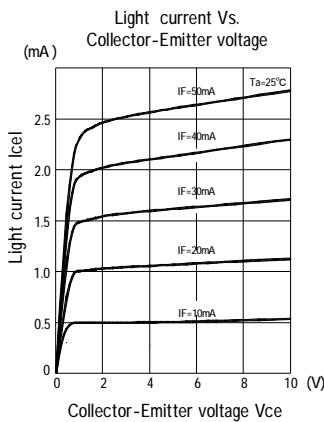
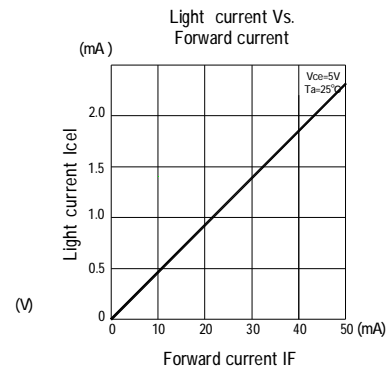
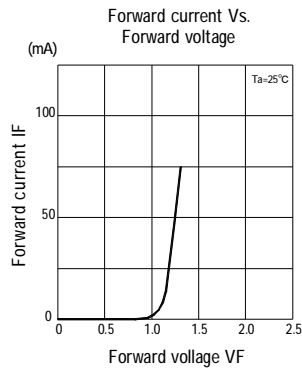
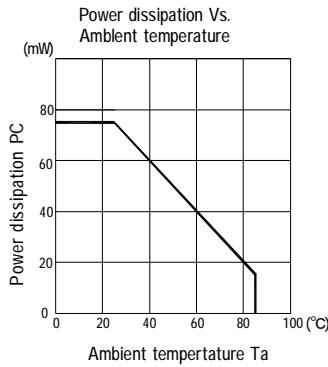




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