



SPECIFICATION

Customer Name					
Customer No.					
Product Description			Photo Interrupter		
Product Model			ORTR-9606		
Orient Confirm			Customer Confirm		
Approved by	Checked by	Prepared by	Approved by	Quality	Engineering
Linshixiu	Huanghai jun	Sushiheng			
Judge outcome:		OK	Judge outcome:		



静电敏感元件



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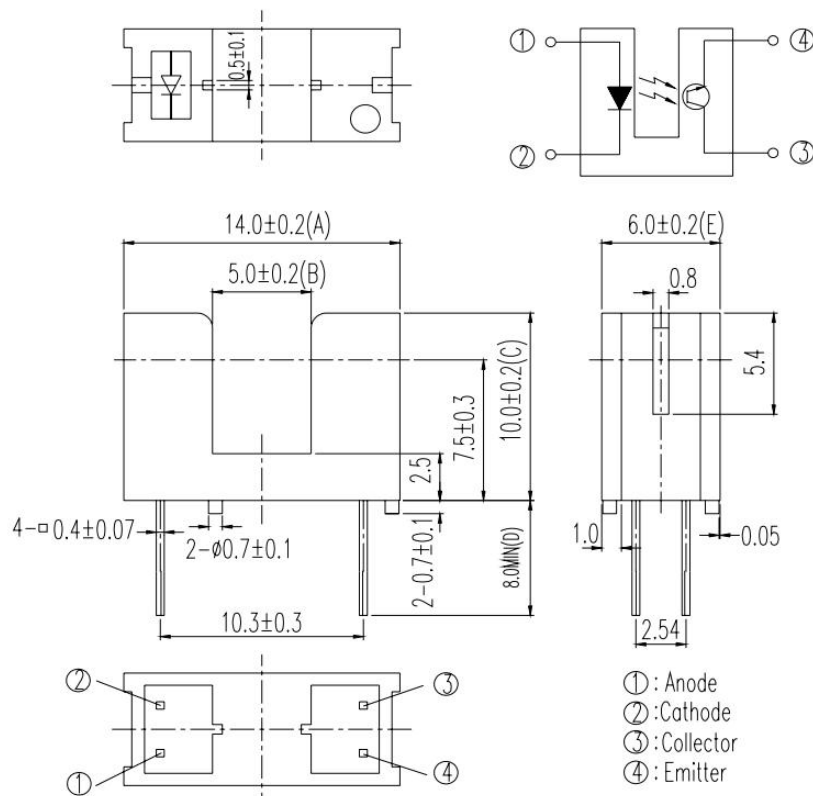
1、Features

- Wide gap 5.0mm
- Slit 0.8mm
- PWB mounting type package
- Pb free
- This product itself will remain within RoHS compliant version

2、Applications

- Printers
- FAX
- Copiers
- Scanners
- Amusement machines

3、Package Outline Dimensions



Notes:

1. All dimensions are in millimeters
2. Tolerances unless dimensions ±0.3mm
3. Lead spacing is measured where the lead emerge from the package



4、Absolute maximum ratings at Ta=25°C

	Parameter	Symbol	Rating	Unit
Input	Power Dissipation	P _D	75	mW
	Forward Current	I _F	50	mA
	Peak Forward Current Pulse width ≤ 100us, Duty cycle = 1%	I _{FP}	1	A
	Reverse Voltage	V _R	5	V
Output	Collector Power Dissipation	P _C	75	mW
	Collector Current	I _C	20	mA
	C-E Voltage	V _{CEO}	30	V
	E-C Voltage	V _{ECO}	5	V
Operating Temperature Range		T _{opr}	-25~+85	°C
Storage Temperature Range		T _{stg}	-40~+85	°C
Soldering Temperature * 1		T _{sol}	260	°C

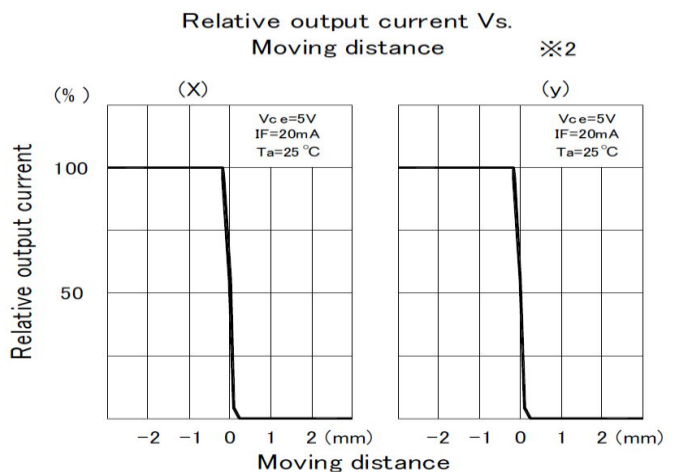
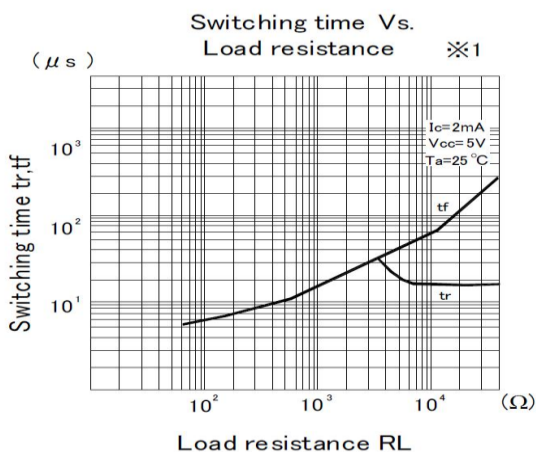
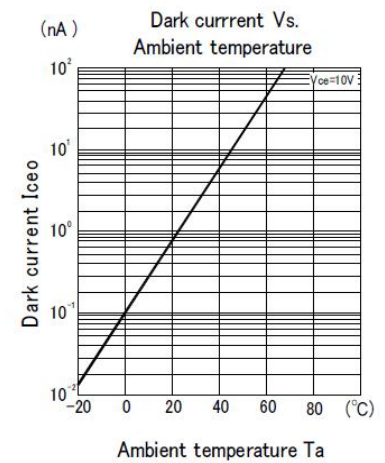
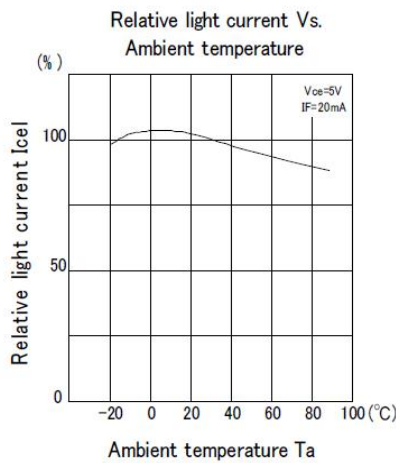
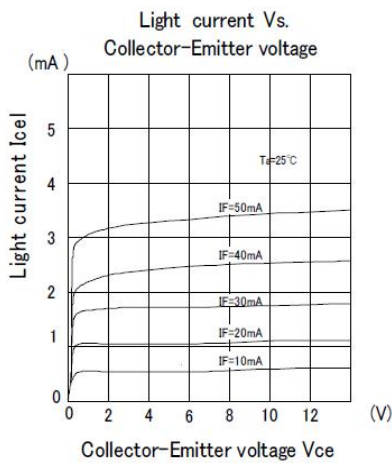
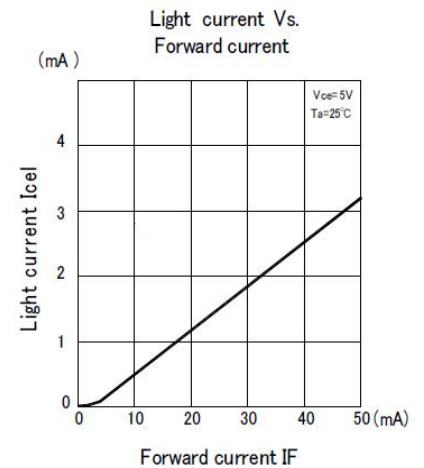
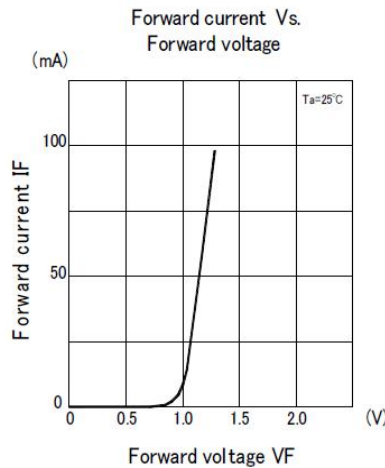
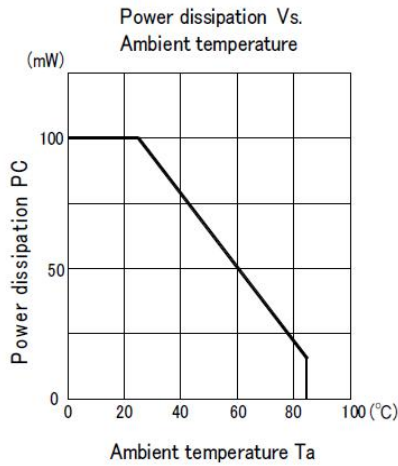
Notes: * 1 Soldering time ≤ 5 seconds.



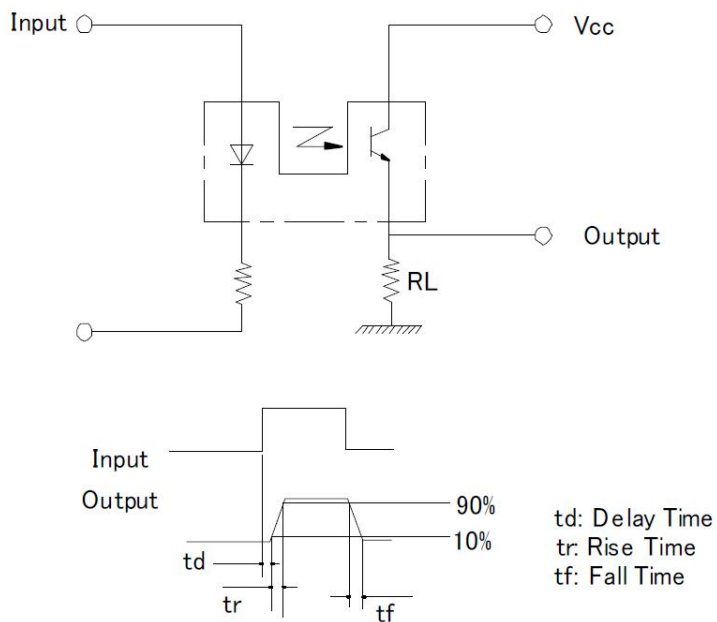
5、Electrical-optical characteristics at Ta=25°C

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
Input	Forward Voltage	V_F	$I_F=20\text{mA}$	-	1.2	1.6	V
	Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
	Peak Wave Length	λ_P	$I_F=20\text{mA}$	-	940	-	nm
Output	Collector Dark Current	I_{CEO}	$V_{CE}=20\text{V}$ $E_e=0\text{mW/cm}^2$	-	-	100	nA
	C-E Saturation Voltage	$V_{CE(sat)}$	$I_C=2\text{mA}$ $E_e=1\text{mW/cm}^2$	-	-	0.4	V
Transfer Characteristics	Collect Current	$I_C(on)$	$V_{CE}=5\text{V}$ $I_F=20\text{mA}$	0.2	-	-	mA
	Rise Time	t_r	$V_{CE}=5\text{V}$ $I_C=1\text{mA}$	-	15	-	μs
	Fall Time	t_f	$R_L=1000\ \Omega$	-	15	-	μs

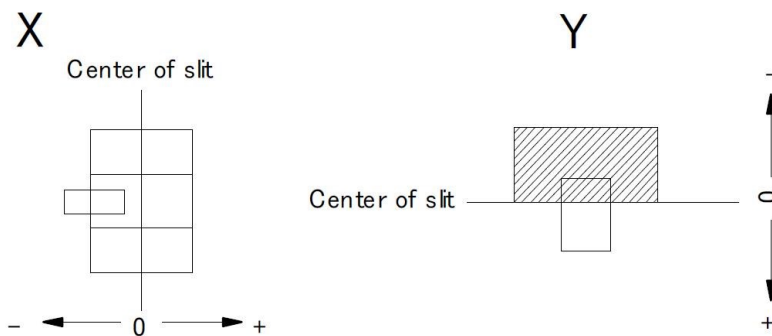
6、Typical Electrical/Optical/Characteristics Curves



*1 Switching time measurement circuit



*2 Method of measuring position detection characteristic



7、Packing Quantity Specification

1. 150PCS/1Page, 600PCS/1Box
2. 10Boxes/1Carton



8、Note

1. Above specification may be changed without notice. ORIENT will reserve authority on material change for above specification.
2. When using this product, please observe the absolute maximum ratings and the instruction for using outlined in these specification sheets. ORIENT assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.
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