

V I S I B L E L I G H T P R O D U C T S



(Photo Interrupter)

REV.C
DATE:2007/7/9

📄 **DEVICE NO:HINT-4300**

📄 **FEATURES:**

Non-contact switch
Fast switching speed

📄 **APPLICATIONS:**

Copiers , Scanner
Optp-electronic switch

📄 **ABSOLUTE MAXIMUM RATINGS:**

T_A=25°C

PARAMETER		SYMBOL	MAX. RATING	UNIT
Input	Continuous Forward Current	I _F	50	mA
	Peak Forward Current *1	I _{FM}	1	A
	Reverse Voltage	V _R	6	V
	Power Dissipation	P _d	75	mW
Output	Collector-Emitter Voltage	V _{CEO}	35	V
	Emitter-Collector Voltage	V _{ECO}	6	V
	Collector Current	I _c	20	mA
	Collector Power Dissipation	P _c	75	mW
Operating Temperature		T _{opr}	-25 ~ +85	°C
Storage Temperature		T _{stg}	-40 ~ +85	°C
Dip Soldering Temperature (3mm from case Bottom 260 °C for 5 seconds)				

📄 **ELECTRIC-OPTICAL CHARACTERISTICS:**

T_A=25°C

PARAMETER		SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Input	Forward Voltage *2	V _F	I _F =20mA		1.25	1.40	V
	Reverse Current	I _R	V _R =5V			10	uA
Output	Dark Current	I _D	V _{ce} =10V		1	100	nA
	C-E Saturation Voltage	V _{CE(sat)}	I _c =0.25mA, I _F =10mA			0.4	V
Light Current		I _L	V _{ce} =5V, I _F =20mA	1.0		10	mA
Rise Time		T _r	V _{ce} =5V, I _F =2mA R _L =1000Ω		15		usec
Fall Time		T _f			15		usec

*1.Duty Ratio=1/10,Pulse Width=0.1ms.

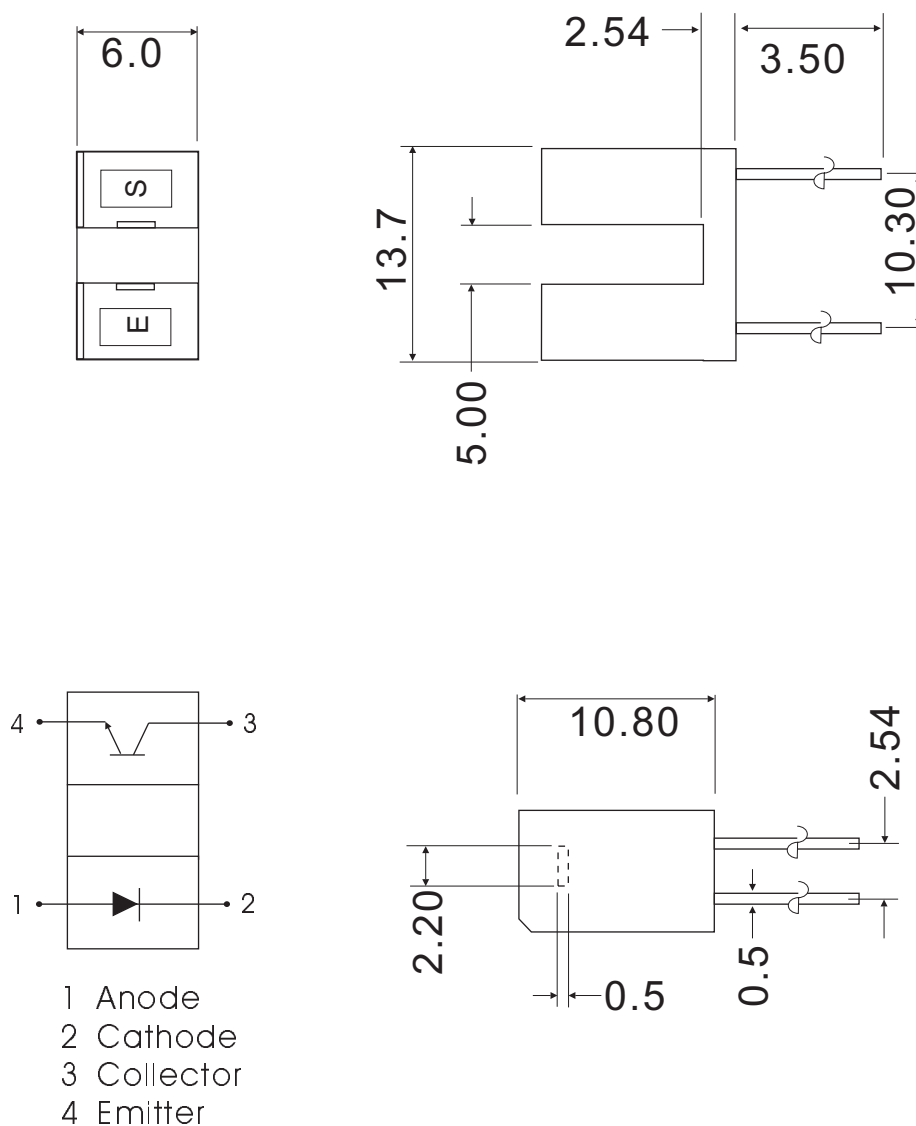
*2.Tolerance:30% HUEY-JANN' measuring equipment :1.EXELTRON 2001. 2.S370 made by U.D.T.

HUEY JANN ELECTRONICS INDUSTRY CO., LTD.

IN F R A R E D P R O D U C T S

(R e f l e c t i v e S e n s o r)

PACKAGE DIMENSIONS:



NOTE:

- 1.All dimensions are in millimeter.
- 2.Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified.
- 2.Lead spacing in measured where the leads emerge from the package.
- 3.specifications are subject to change without notice.

HUEY JANN ELECTRONICS INDUSTRY CO., LTD.

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REV

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DAYE

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DWN

C.Y.LIN

CHK:

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