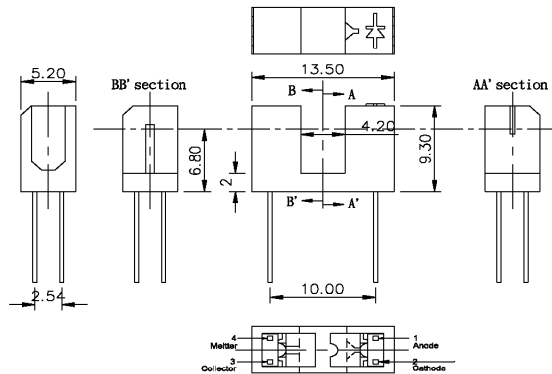


**Application :**

- 1. OA equipment, such as printers etc.

**Outside Dimension : Unit (mm)**

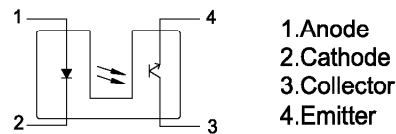


TOLERANCE : ±0.2mm

**Features :**

- 1. Horizontal slit type
- 2. PWB mounting type
- 3. Gap between light emitter and detector: 4.2mm
- 4. Slit width: 0.5mm
- 5. With a positioning boss

**Schematic : Top View**



**Absolute Maximum Ratings**

(Ta=25°C)

Parameter	Symbol	Rating	Unit
Input	Forward current	IF	50 mA
	Peak forward current *1	IFP	1 A
	Reverse voltage	VR	6 V
	Power dissipation	PD	75 mW
Output	Collector-emitter voltage	VCEO	35 V
	Emitter-collector voltage	VECO	6 V
	Collector current	IC	20 mA
	Total power dissipation	PC	75 mW
Operating temperature	Topr	-25 to +85	°C
Storage temperature	Tstg	-40 to +100	°C
Soldering temperature *2	Viso	260	°C

\*1 Pulse width ≤ 100 μs, Duty ratio = 1%

\*2 For 5 seconds

**Electro-optical Characteristics**

(Ta=25°C)

Parameter	Symbol	Conditions	MIN.	TYP.	MAX.	Unit
Input	Forward voltage	IF=20mA	-	1.25	1.4	V
	Peak forward voltage	IFM=0.5A	-	3	4	V
	Reverse current	VR=3V	-	-	10	μA
Output	Collector-emitter dark current	VCE=20V, IF=0mA	-	1	100	nA
	Collector current	IF=20mA, VCE=5V	0.5	-	10	mA
Transfer characteristics	Collector saturation voltage	IF=40mA, IC=0.5mA	-	-	0.4	V
	Response time (Rise)	VCE=2V, IC=2mA	-	3	15	μs
	Response time (Fall)	RL=100ohm	-	4	20	μs

## Data Curve

