

ROHM interrupter series is a family of high reliable and high resolution products with the monolithic mold type featured as standard one.

T-41-73

●Ordering Designation

RPI-121

RPI	Photointerrupters
SIU	Photointerrupters with Actuator

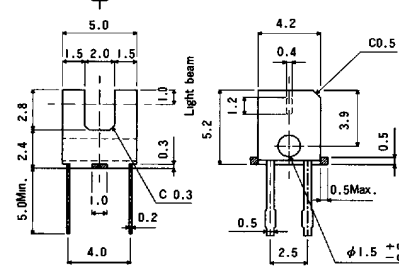
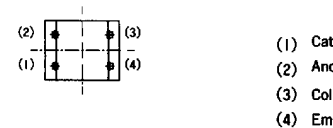
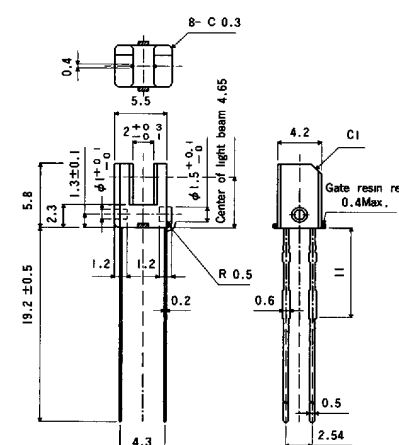
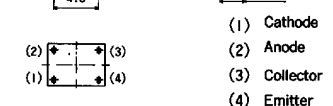
●Phototransistors Output (Mold type)

Package	Type	Feature	Absolute maximum ratings		Standard Characteristics							Basic order unit	Rank
			I _F (mA)	V _{CEO} (V)	Detecting roovewidth (mm)	Slit width (mm)	I _C (mA)	V _{CE} (V)	I _F (mA)	I _{CEO} Max (μA)	tr,tf (μs)		
Molded in one small package	RPI-241(RPI-243)	2mm gap	50	30	2.0	0.4	2	5	20	0.5	10	2000	◎
	RPI-242(RPI-244)	Long lead	50	30	2.0	0.4	0.5Min.	5	20	0.5	10	2000	◎
	RPI-351(RPI-352)	3mm gap	50	30	3.0	0.4	1	5	20	0.5	10	2000	◎
	RPI-441	3mm gap	50	30	4.0	0.5	1	5	20	0.5	10	2000	◎
	RPI-131	Easymountingdualmoldedgene ralpurposeproduct	50	30	1.2	0.4	0.7Min.	5	20	0.5	10	2000	◎
	RPI-131A	Easymountingdualmoldedgene ralpurposeproduct	50	30	1.2	0.4	0.07Min.	0.6	1.3	0.5	10	2000	○
	RPI-131B	Easymountingdualmoldedgene ralpurposeproduct	50	30	1.2	0.4	0.6Min.	5	9	0.5	10	2000	○
	RPI-131C	Easymountingdualmoldedgene ralpurposeproduct	50	30	1.2	0.4	0.065Min.	5	1.5	0.5	10	2000	○
	RPI-131D	Easymountingdualmoldedgene ralpurposeproduct	50	30	1.2	0.4	2Min.	4.5	20	0.5	10	2000	○
	RPI-131E	Easymountingdualmoldedgene ralpurposeproduct	50	30	1.2	0.4	0.7Min.	5	20	0.5	10	2000	○
	RPI-141	Easymountingdualmoldedgene ralpurposeproduct	50	30	1.2	0.4	0.03Min.	5	1.5	0.5	10	2000	◎
	RPI-141C	Easymountingdualmoldedgene ralpurposeproduct	50	30	1.2	0.4	0.065Min.	5	1.5	0.5	10	2000	○
	RPI-141G	Easymountingdualmoldedgene ralpurposeproduct	50	30	1.2	0.4	0.14Min.	5	1.5	0.5	10	2000	○
	RPI-141F	Easymountingdualmoldedgene ralpurposeproduct	50	30	1.2	0.4	0.03Min.	5	1.5	0.5	10	2000	○
Molded in one ultraminiature package	RPI-121	Ultraminiature	50	30	1.0	0.4	0.7Min.	5	20	0.5	10	2000	○
	RPI-122	With mounting lib	50	30	0.8	0.25	0.18Min.	0.7	3	0.5	10	2000	○
	RPI-123	High resolution (0.2mm slit)	50	30	1.0	0.2	0.2	5	20	0.5	10	2000	○
	RPI-221	Wide gap (2mm)	50	30	2.0	0.4	0.2	5	20	0.5	10	2000	○
With Actuator	RPI-5100	Molded in one small package	50	30	With Actuator		0.2Min.	5	20	0.5	10	1000	○
	RPI-5200	Molded in one small package	50	30	With Actuator		0.2Min.	5	20	0.5	10	1000	○

◎ : Standard products ○ : Semi-standard products

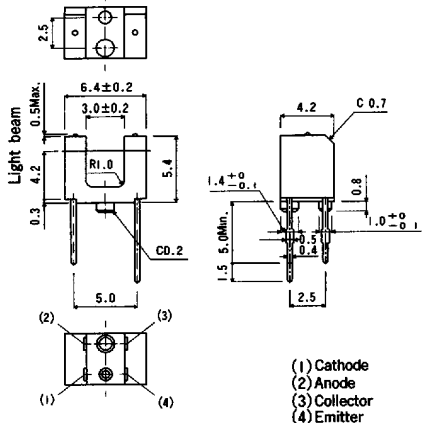
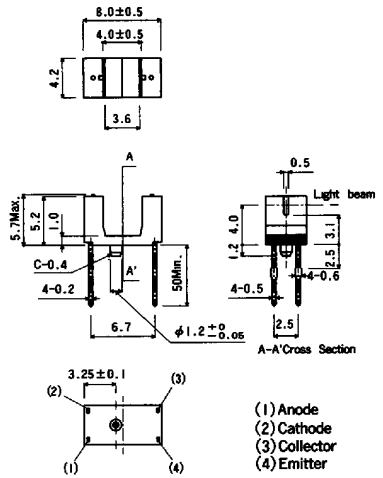
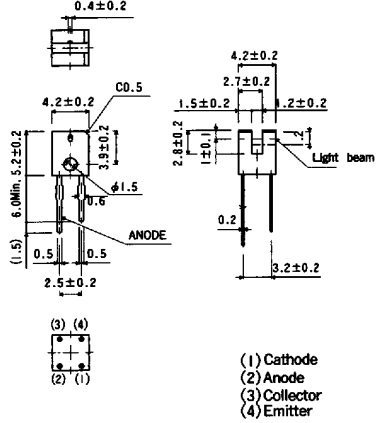
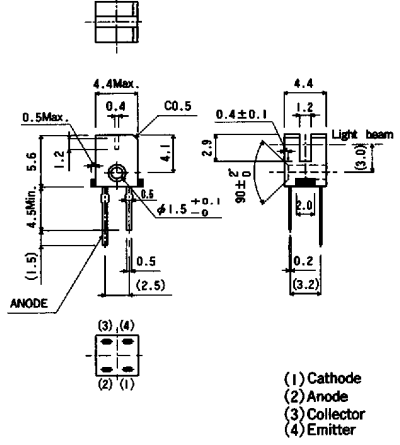
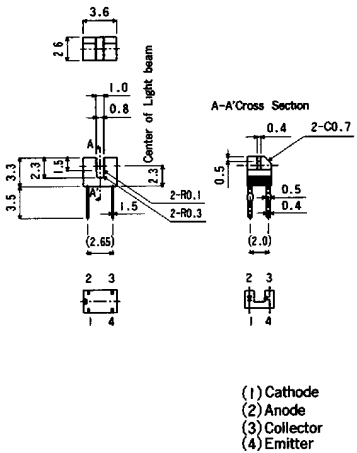
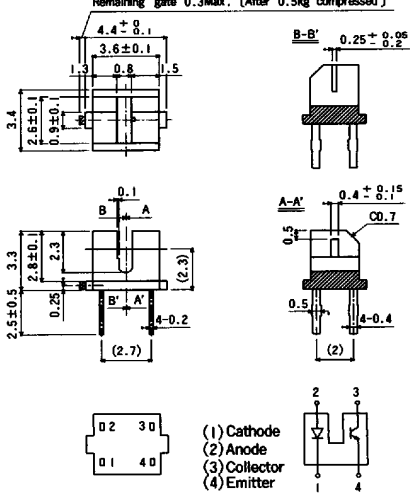
Sensors

(Unit : mm)

RPI-241(RPI-243)	RPI-242(RPI-244)
  	  

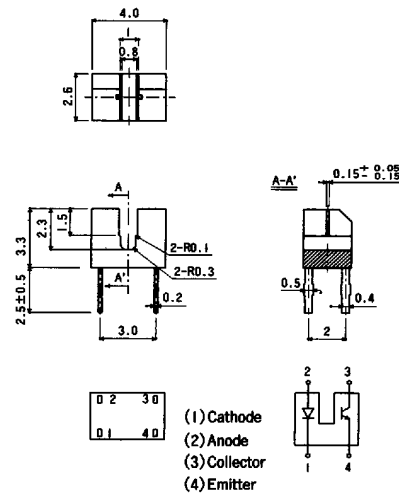
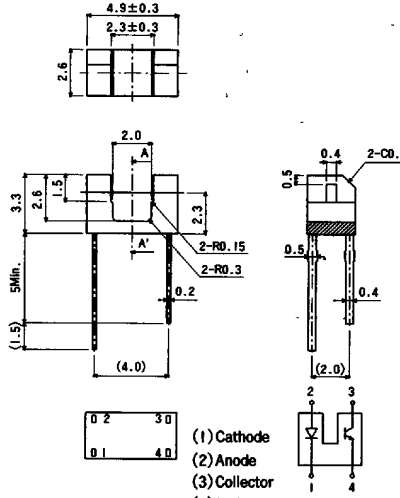
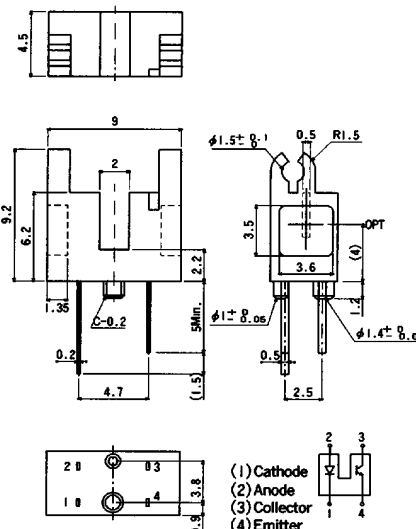
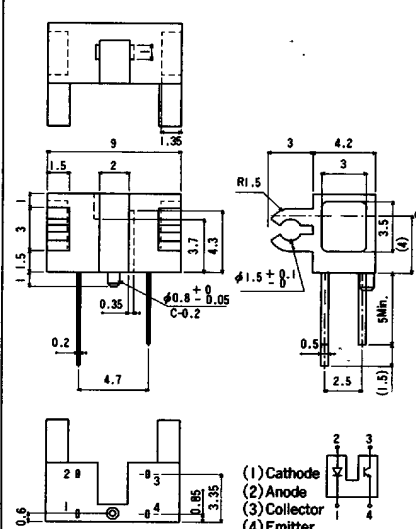
●Phototransistors Output (Mold type)

(Unit : mm)

	 (1) Cathode (2) Anode (3) Collector (4) Emitter		 (1) Anode (2) Cathode (3) Collector (4) Emitter
	 (1) Cathode (2) Anode (3) Collector (4) Emitter		 (1) Cathode (2) Anode (3) Collector (4) Emitter
	 (1) Cathode (2) Anode (3) Collector (4) Emitter		 (1) Cathode (2) Anode (3) Collector (4) Emitter

●Phototransistors Output (Mold type)

(Unit : mm)

RPI-123	RPI-221
 	 
RPI-5100	RPI-5200
 	 

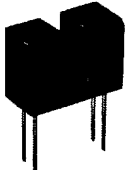
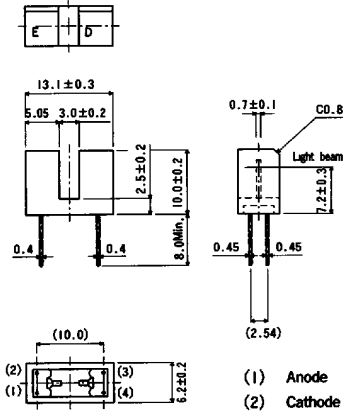
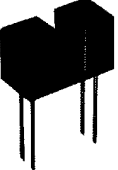
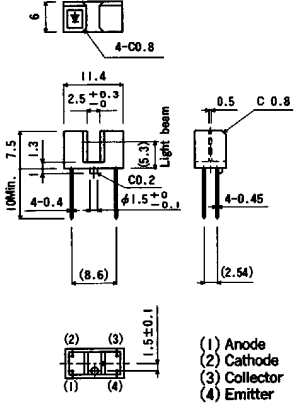
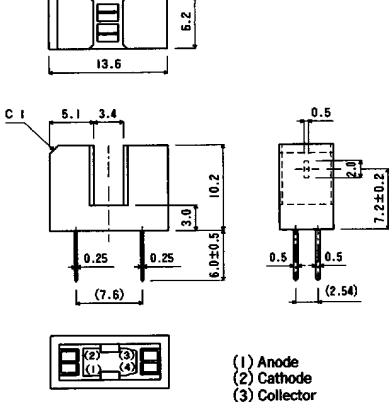
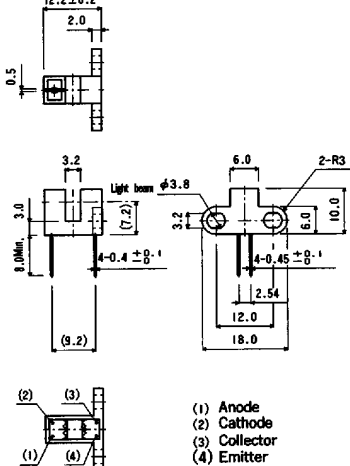
Sensors

●Phototransistors Output (Type with case)

Package	Type	Feature	Absolute maximum ratings		Standard Characteristics							Basic order unit	Rank
			I _F (mA)	V _{CEO} (V)	Detecting ray width (mm)	Slit width (mm)	I _C (mA)	V _{CE} (V)	I _F (mA)	I _{CEO} Max. (μA)	t _r , t _f (μs)		
Type with case (PCB direct mount type)	RPI-38	General purpose	50	30	3	0.7	7	5	20	0.5	10	200	⊙
	RPI-261	With positioning set	50	30	2.5	0.5	1Min.	5	20	0.5	10	200	⊙
	RPI-371	With rear lid	50	30	3.4	0.5	1Min.	10	20	0.5	10	200	○
	RPI-373R	With tapped hole in side	50	30	3.2	0.5	4	5	20	0.5	10	200	⊙
	RPI-374	With tapped hole	50	30	3	0.5	1Min.	5	20	0.5	10	200	⊙
	RPI-572	With positioning set	50	30	5	0.5	0.8Min.	5	20	0.5	10	200	⊙
With actuator	RPI-581	With tapped hole	50	30	5	0.5	0.8Min.	5	20	0.5	10	200	⊙
	SU-5000	With actuator and leads	50	30	With Actuator		0.5Min.	5	20	0.5	10	1000	○

⊙ : Standard products ○ : Semi-standard products

(Unit : mm)

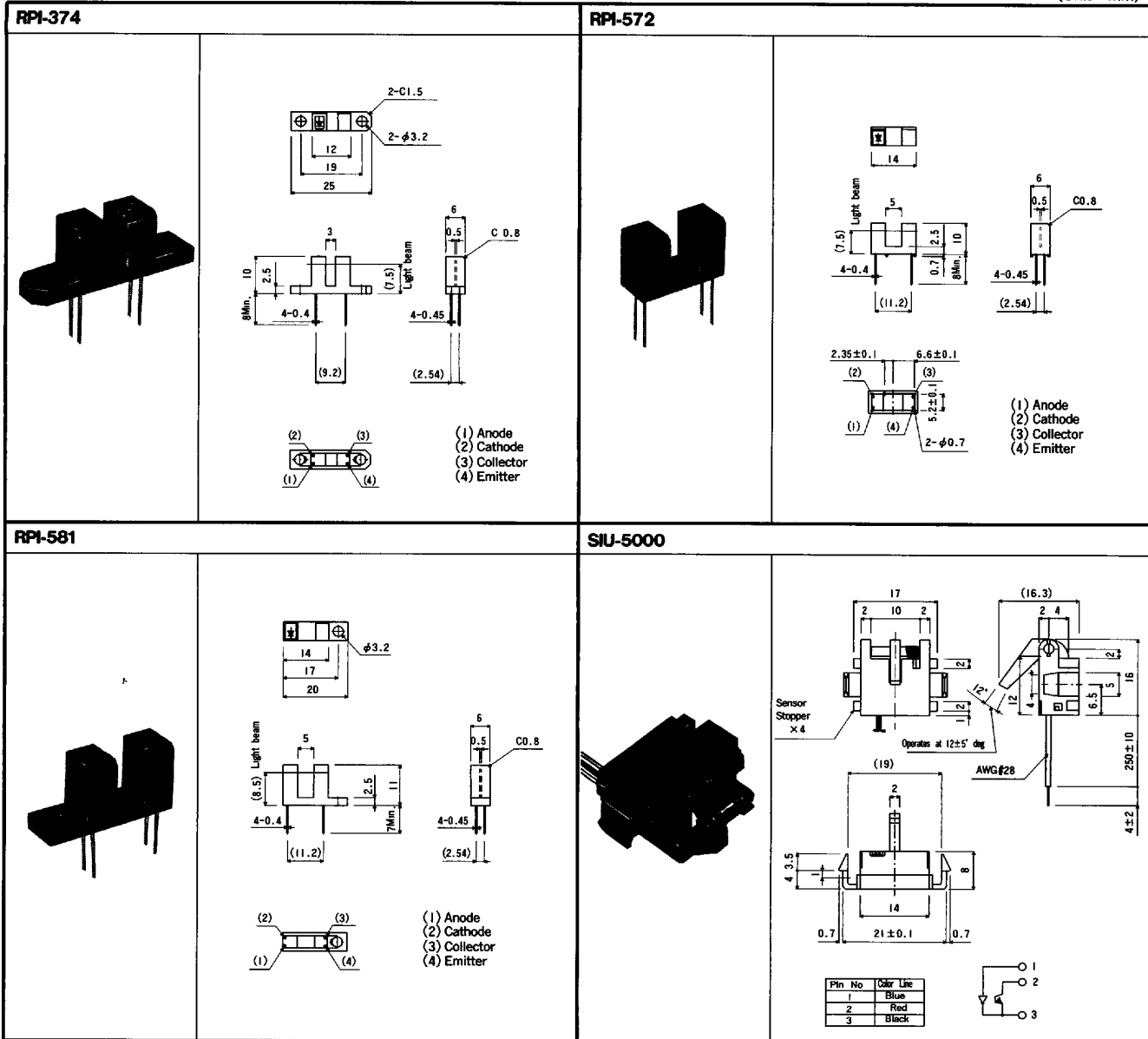
RPI-38   (1) Anode (2) Cathode (3) Collector (4) Emitter	RPI-261   (1) Anode (2) Cathode (3) Collector (4) Emitter
RPI-371   (1) Anode (2) Cathode (3) Collector (4) Emitter	RPI-373R   (1) Anode (2) Cathode (3) Collector (4) Emitter

Photointerrupters

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●Phototransistors Output (Type with case)

(Unit : mm)



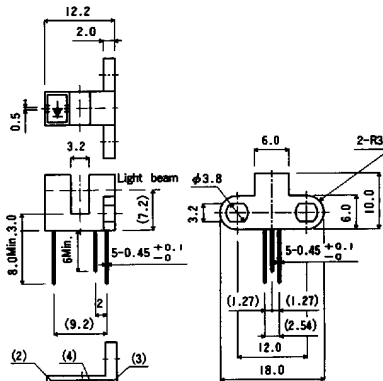
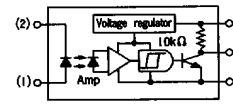
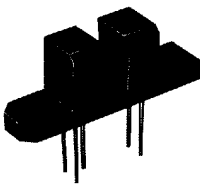
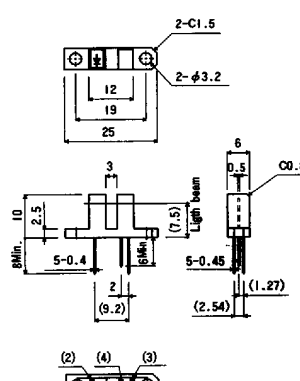
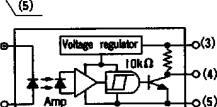
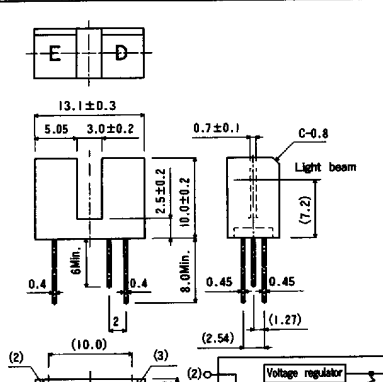
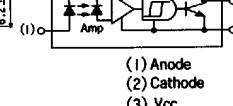
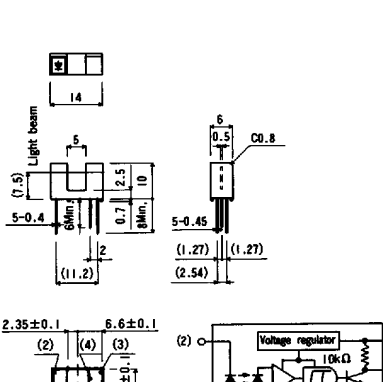
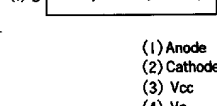
Sensors

●Digital Output

Package	Type	Feature	Absolute maximum ratings			Standard Characteristics					Output mode	Basic order unit	Rank
			I _F (mA)	V _{CC} (V)	I _O (mA)	Detecting roovewidth (mm)	Slit width (mm)	V _F (V)	V _{OL} (V)	I _{FLH} (mA)			
Type with case	RPI-1373	With tapped hole in side	50	17	20	3.2	0.5	1.1	0.14	1.0	Dark ON	200	○
	RPI-1374	With tapped hole	50	17	20	3	0.5	1.1	0.14	1.0	Dark ON	200	○
	RPI-1380	General purpose	50	17	20	3	0.7	1.1	0.14	1.0	Dark ON	200	○
	RPI-1572	With positioning set	50	17	20	5	0.5	1.1	0.14	2.0	Dark ON	200	○
	RPI-1581	With tapped hole	50	17	20	5	0.5	1.1	0.14	2.0	Dark ON	200	○
Molded in one package	RPI-1133	Dual mold type	50	7	10	1.0	0.3	1.1	0.35Max.	1.5	Dark OFF	2,000	○
With connector	RPI-81M2	Easy mounting	—	9	20	8	0.8	—	0.4 Max.	—	Dark ON	150	○
	RPI-512	Easy mounting	—	7	20	5	0.5	1.1	0.4 Max.	—	Dark ON	200	○

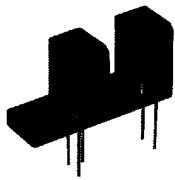
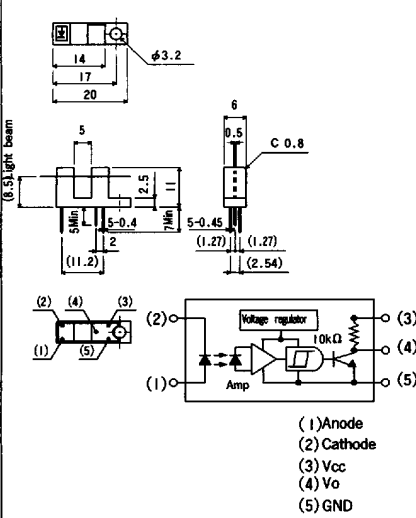
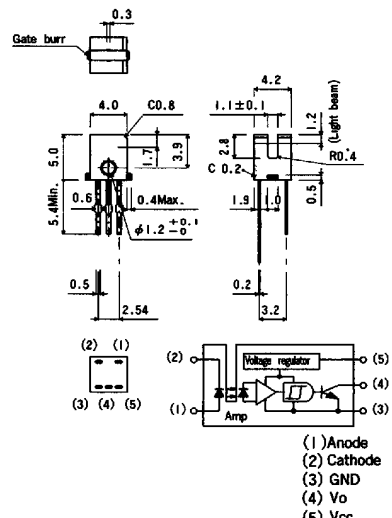
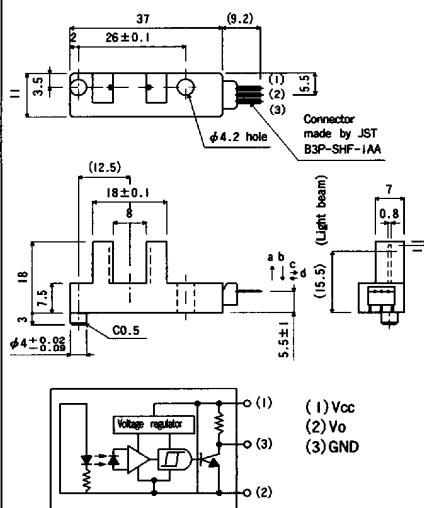
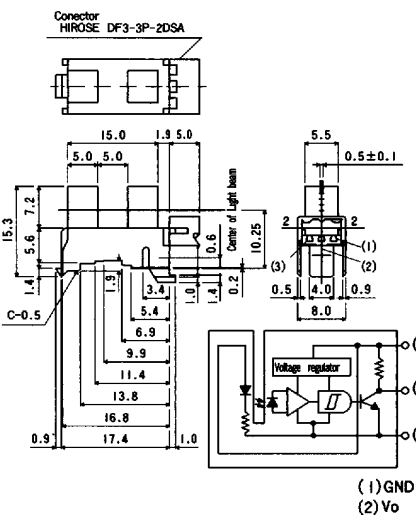
◎ : Standard products ○ : Semi-standard products

(Unit : mm)

RPI-1373   (1) Anode (2) Cathode (3) Vcc (4) Vo (5) GND 	RPI-1374   (1) Anode (2) Cathode (3) Vcc (4) Vo (5) GND 
RPI-1380   (1) Anode (2) Cathode (3) Vcc (4) Vo (5) GND 	RPI-1572   (1) Anode (2) Cathode (3) Vcc (4) Vo (5) GND 

●Digital Output

(Unit : mm)

RPI-1581  	RPI-1133  
RPI-811M2  	RPI-512  

Sensors