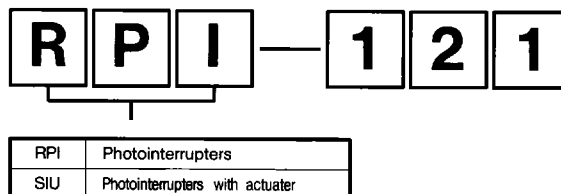


ROHM photointerrupter series is a high reliability, high resolution product packaged as standard molded product.

●Product Designation

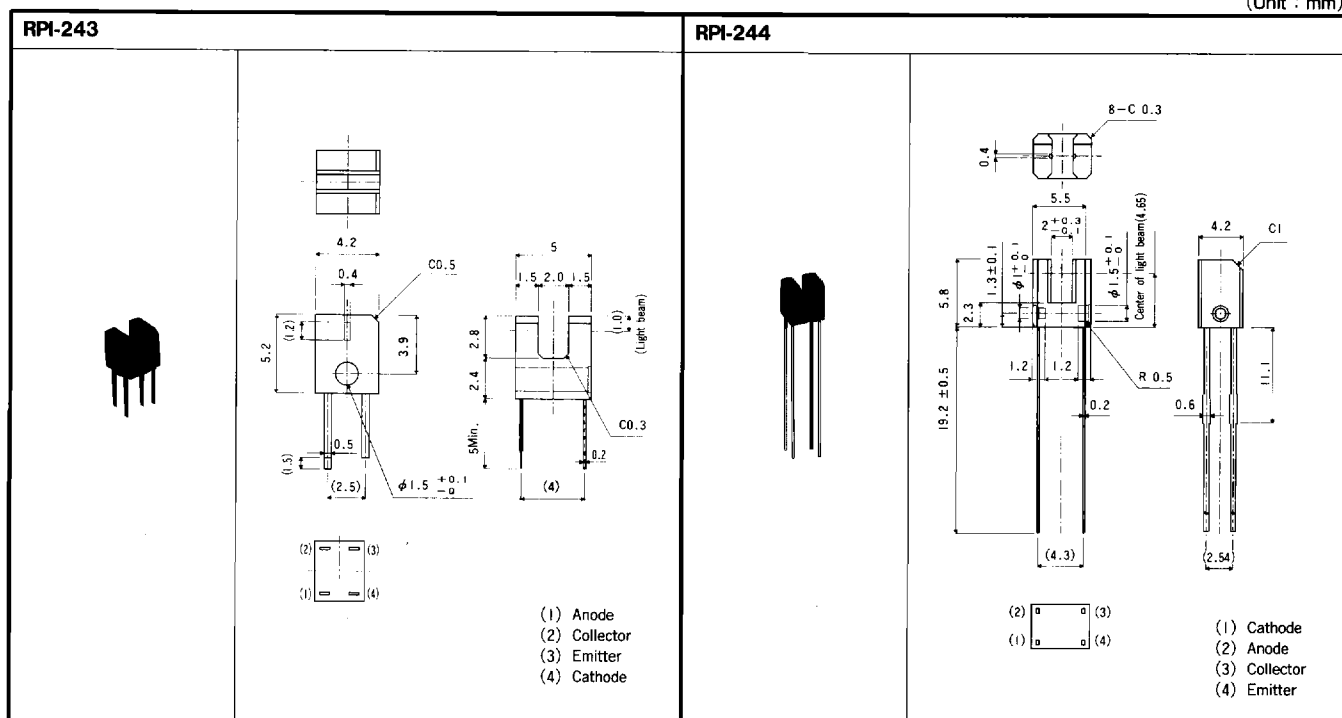


●Phototransistors Output (Molded type)

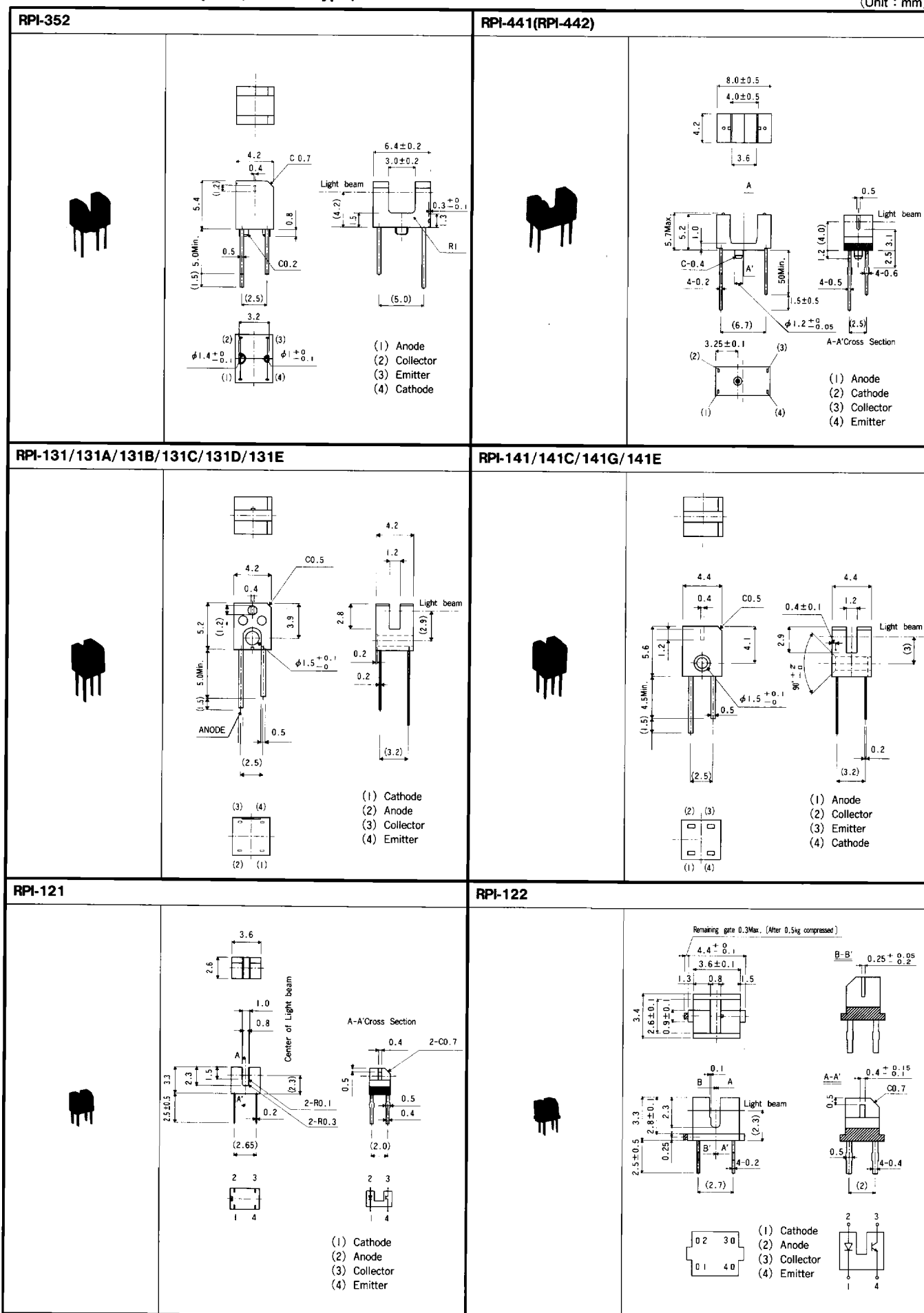
Package	Part No.	Feature	Absolute maximum ratings			Standard Characteristics							Basic ordering unit	Rank
			I _F (mA)	V _{CEO} (V)	Groove width (mm)	Slit width (mm)	I _c (mA)	V _{CE} (V)	I _F (mA)	I _{CEO} Max. (μA)	t _r , t _f (μs)			
Molded in one small package	RPI-243	2mm gap	50	30	2.0	0.4	2	5	20	0.5	10	2,000	◎	
	RPI-244	Long lead	50	30	2.0	0.4	0.5Min.	5	20	0.5	10	2,000	◎	
	RPI-352	3mm gap	50	30	3.0	0.4	1	5	20	0.5	10	2,000	◎	
	RPI-441(RPI-442)	3mm gap	50	30	4.0	0.5	1	5	20	0.5	10	2,000	◎	
	RPI-131	Easy-mount	50	30	1.2	0.4	0.7Min.	5	20	0.5	10	2,000	◎	
	RPI-131A	Easy-mount	50	30	1.2	0.4	0.07Min.	0.6	1.3	0.5	10	2,000	○	
	RPI-131B	Easy-mount	50	30	1.2	0.4	0.6Min.	5	9	0.5	10	2,000	○	
	RPI-131C	Easy-mount	50	30	1.2	0.4	0.065Min.	5	1.5	0.5	10	2,000	○	
	RPI-131D	Easy-mount	50	30	1.2	0.4	2Min.	4.5	20	0.5	10	2,000	○	
	RPI-131E	Easy-mount	50	30	1.2	0.4	0.7Min.	5	20	0.5	10	2,000	○	
	RPI-141	Easy-mount	50	30	1.2	0.4	0.03Min.	5	1.5	0.5	10	2,000	◎	
	RPI-141C	Easy-mount	50	30	1.2	0.4	0.065Min.	5	1.5	0.5	10	2,000	○	
	RPI-141G	Easy-mount	50	30	1.2	0.4	0.14Min.	5	1.5	0.5	10	2,000	○	
RPI-141F	Easy-mount	50	30	1.2	0.4	0.03Min.	5	1.5	0.5	10	2,000	○		
Molded in one ultraminiature package	RPI-121	Ultraminiature	50	30	1.0	0.4	0.7Min.	5	20	0.5	10	2,000	○	
	RPI-122	With mounting lib	50	30	0.8	0.25	0.18Min.	0.7	3	0.5	10	2,000	○	
	RPI-123	High resolution (0.2mm slit)	50	30	1.0	0.2	0.2	5	20	0.5	10	2,000	○	
	RPI-221	Wide gap (2mm)	50	30	2.0	0.4	0.2	5	20	0.5	10	2,000	○	
With Actuator	RPI-5100	Molded in one small package	50	30	With Actuator		0.2Min.	5	20	0.5	10	1,000	○	
	RPI-5200	Molded in one small package	50	30	With Actuator		0.2Min.	5	20	0.5	10	1,000	○	

◎ : Standard products ○ : Semi-standard products

(Unit : mm)

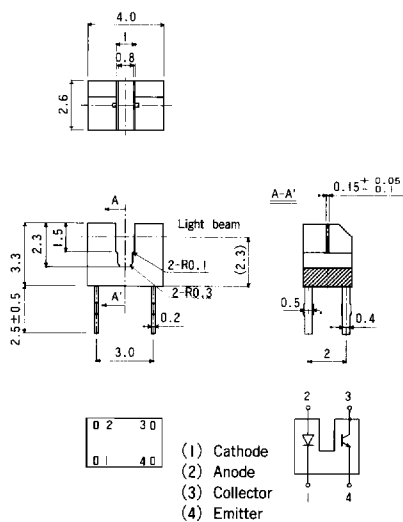


(Unit : mm)

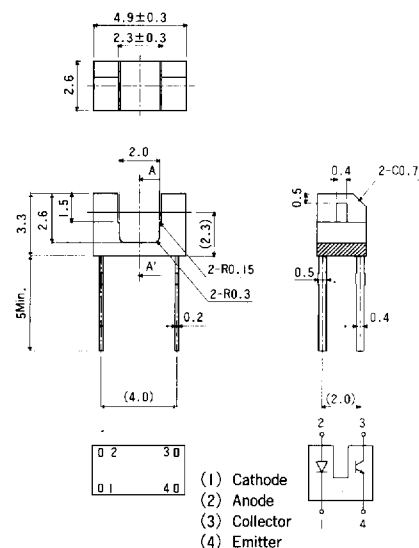


(Unit : mm)

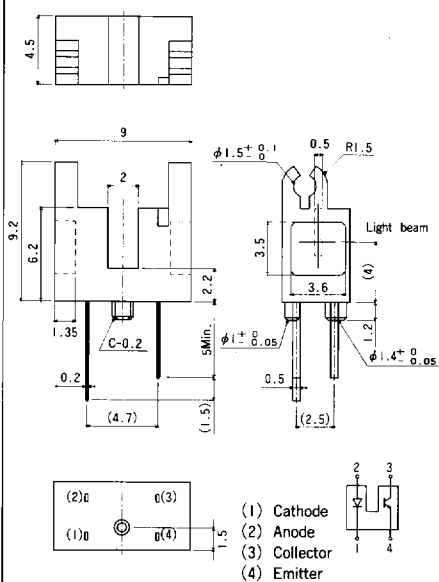
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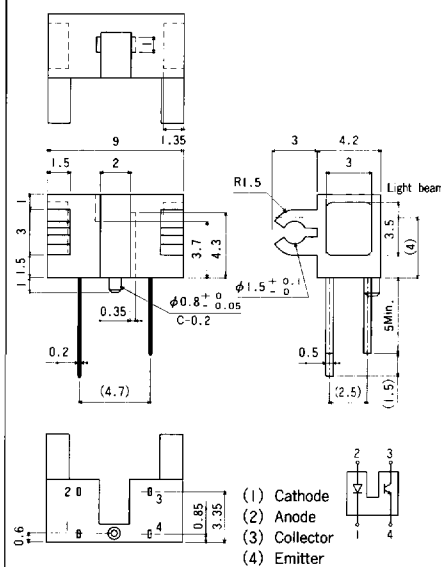
RPI-221



RPI-5100



RPI-5200



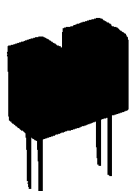
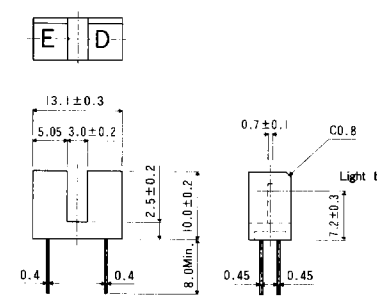
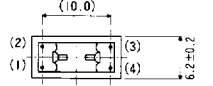
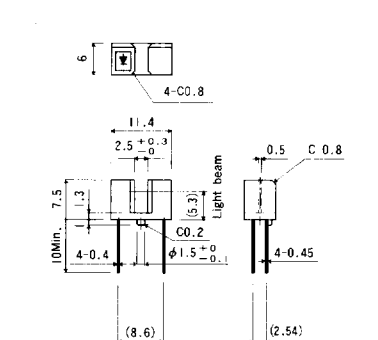
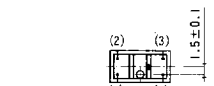
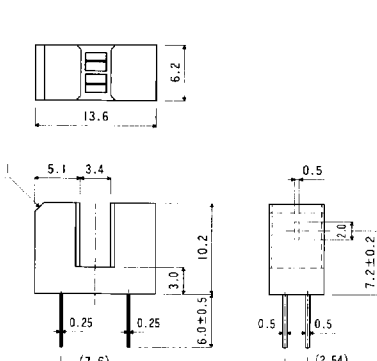
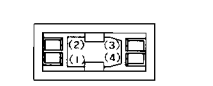
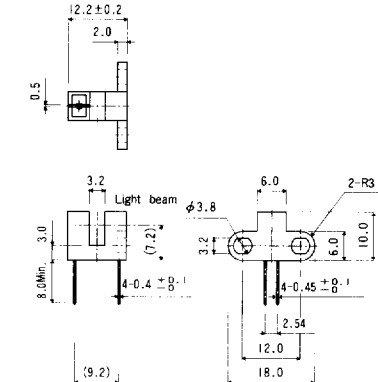
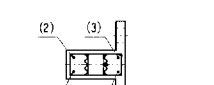
Photointerrupters (RPI · SIU)

● Phototransistors Output (Type with case)

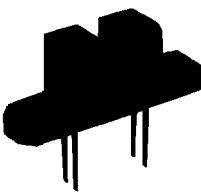
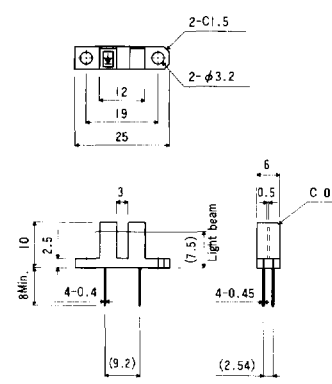
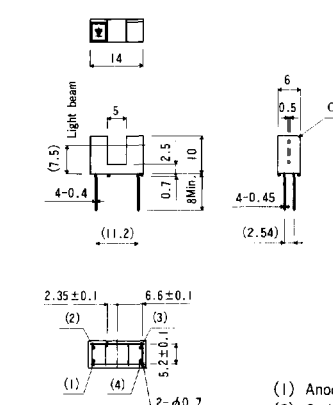
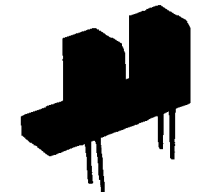
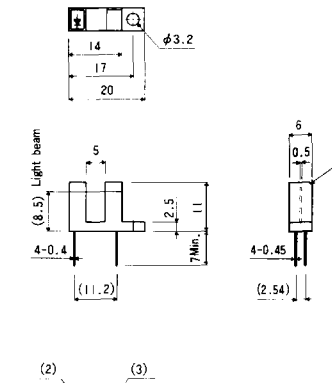
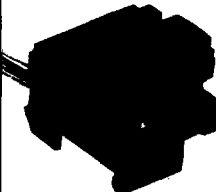
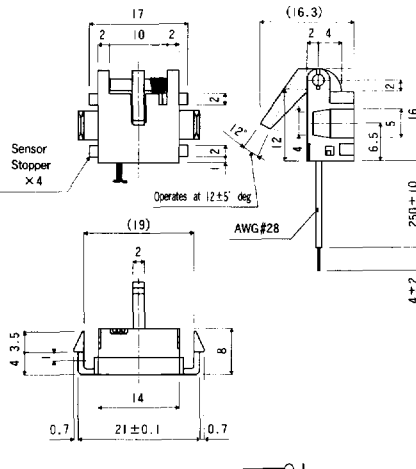
Package	Part No.	Feature	Absolute maximum ratings		Standard Characteristics							Basic ordering unit	Rank
			I_F (mA)	V_{CEO} (V)	Groove width (mm)	Slit width (mm)	I_C (mA)	V_{CE} (V)	I_F (mA)	I_{CO} Max. (μ A)	t_r, t_f (μ s)		
PCB direct mount type	RPI-38	General purpose	50	30	3	0.7	7	5	20	0.5	10	200	⊙
	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	⊙
	RPI-581	With tapped hole	50	30	5	0.5	0.8Min.	5	20	0.5	10	200	⊙
With actuator	SIU-5000	With actuator and leads	50	30	With Actuator		0.5Min.	5	20	0.5	10	200	⊙

⊙ : 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

(Unit : mm)

RPI-374   (1) Anode (2) Cathode (3) Collector (4) Emitter	RPI-572   (1) Anode (2) Cathode (3) Collector (4) Emitter								
RPI-581   (1) Anode (2) Cathode (3) Collector (4) Emitter	SIU-5000  <table><tr><th>Pin No.</th><th>Color Line</th></tr><tr><td>1</td><td>Blue</td></tr><tr><td>2</td><td>Red</td></tr><tr><td>3</td><td>Black</td></tr></table> Operates at $12 \pm 5^\circ$ deg AWG#28 250 $\pm$ 10 4 $\pm$ 2	Pin No.	Color Line	1	Blue	2	Red	3	Black
Pin No.	Color Line								
1	Blue								
2	Red								
3	Black								

Photointerrupters (RPI · SIU)

●Digital Output

Package	Part No.	Feature	Absolute maximum ratings			Standard Characteristics					Output mode	Basic ordering unit	Rank
			I_F (mA)	V_{CC} (V)	I_O (mA)	Groove width (mm)	Slit width (mm)	V_F (V)	V_{OL} (V)	I_{FLH} (mA)			
PCB direct mounted type	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 ultraminiature package	RPI-1133	Mini molded	50	7	10	1.0	0.3	1.1	0.35Max.	1.5	Dark OFF	2,000	○
With connector	RPI-811M2	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	○

○ : Semi-standard products

(Unit : mm)

