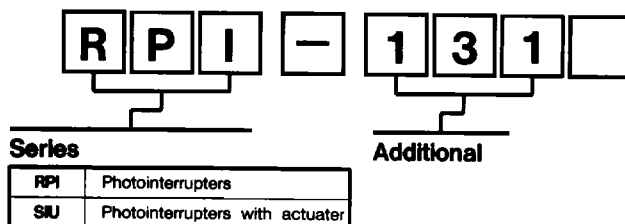


Photointerrupters (RPI · SIU)

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

●Product Designation

- When ordering, specify the type.
- Check each code against the code tables shown below.
- Fill a space with the next character.

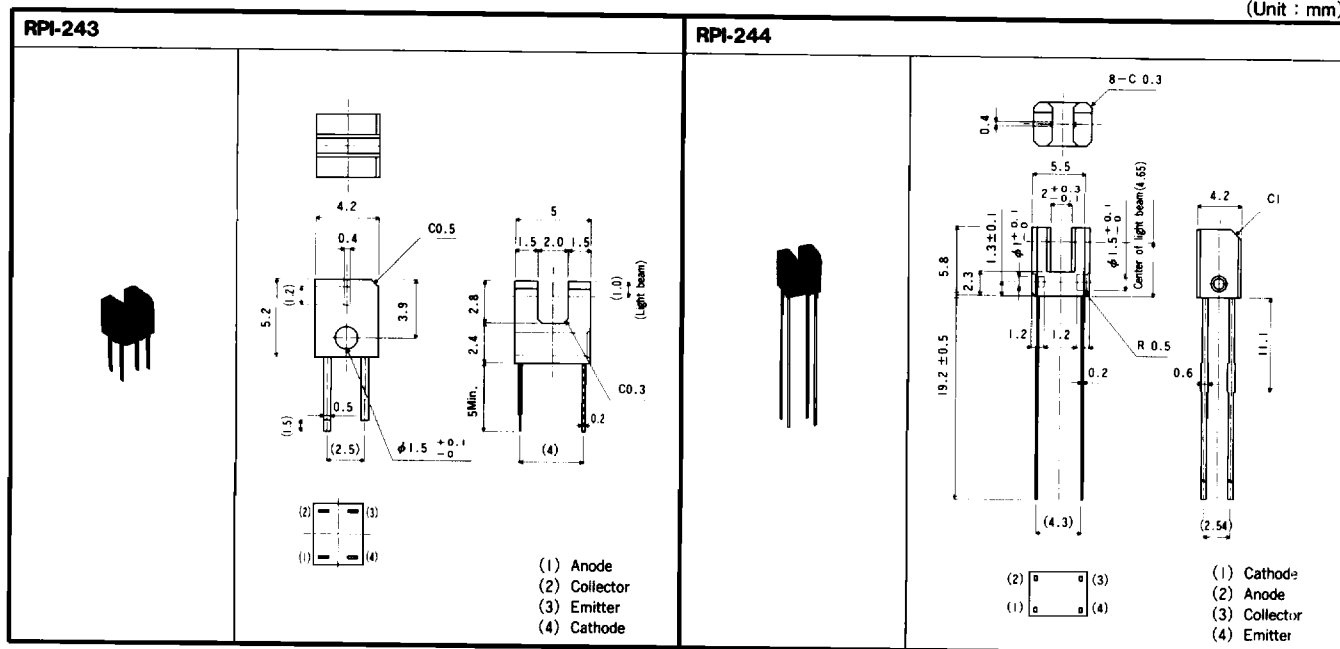


●Phototransistors Output (Molded type)

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)	tr, tf (μs)		
Molded in one small package	RPI-243	2mm gap	50	30	2.0	0.4	0.5Min.	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	0.2Min.	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	◎
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	0.2Min.	5	20	0.5	10	2,000	○
	RPI-221	Wide gap (2mm)	50	30	2.0	0.4	0.2Min.	5	20	0.5	10	2,000	○
With Actuator	RPI-5100	Molded in one small package	50	30	Actuator type		0.2Min.	5	20	0.5	10	1,000	○
	RPI-5200	Molded in one small package	50	30	Actuator type		0.2Min.	5	20	0.5	10	1,000	○

◎ : Standard products ○ : Semi-standard products

(Unit : mm)



●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 _{CEO} Max. (μA)	t _r , t _f (μs)		
PCB direct mount type	RPI-261	With positioning set	50	30	2.5	0.5	1Min.	5	20	0.5	10	200	◎
	RPI-574	Applicable to automatic insertion	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-261

Dimensions: 6, 4-C0.8, 11.4, 2.5 ± 0.3, 0.5, C 0.8, 7.5, 1.3, 10Min., 4-0.4, C0.2, φ 1.5 ± 0.1, (5.3), Light beam, 4-0.45, (8.6), (2.54), (2), (3), (1), (4), 1.5 ± 0.1

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

RPI-574

Dimensions: 14, (7.5) Light beam, 5, 10, 0.4, 0.7, 2.5, 3.5 ± 0.4, 0.7, 0.5, C0.8, 0.5, (2.54), 13.6 ± 0.1, 4.65 ± 0.1, 5.6 ± 0.1, 0.4 ± 0.1, (2), (1), (3), (4), 2-φ0.7

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

SIU-5000

Dimensions: 17, 10, 2, 2, 16.3, 2, 4, 12, 12, 16, 6.5, 5, 250 ± 10, 4 ± 2, 19, 2, 4, 3.5, 14, 0.7, 21 ± 0.1, 0.7

Sensor Stopper × 4
Operates at 12 ± 5° ang
AWG#28

Pin No	Color Line
1	Blue
2	Red
3	Black

Circuit diagram showing a phototransistor symbol connected to pins 1, 2, and 3.

Phototransistors

Sensors

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)			
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	○

○ : Semi-standard products

(Unit : mm)

