

■ Photointerrupters

☆ Under Development

Output	Type	Absolute maximum ratings		Standard Characteristics							Package	Reference Catalog
		I _F (mA)	V _{CEO} (V)	Detection groove width (mm)	Slit width (mm)	I _C (mA)	V _{CE} (V)	I _F (mA)	I _{CEO} Max. (μA)	tr-tf (μs)		
Photo Transistor	RPI-37R	50	30	3.2	0.5	4	5	20	0.5	10	Fig. 15	No. 2701
	RPI-38	50	30	3	0.7	7	5	20	0.5	10	Fig. 16	
	☆ PRI-241	50	30	2.0	0.4	3	5	20	0.5	10	Fig. 17	No. 3178
	RPI-261	50	30	2.0	0.5	1	5	20	0.5	10	Fig. 18	No. 3029
	☆ PRI-351	50	30	3.0	0.4	2	5	20	0.5	10	Fig. 19	No. 3028
	RPI-371	50	30	3.4	0.5	1 Min.	10	20	0.5	10	Fig. 20	—
	RPI-373R	50	30	3.2	0.5	4	5	20	0.5	10	Fig. 21	
	RPI-374	50	30	3	0.5	4	5	20	0.5	10	Fig. 22	
	☆ RPI-441	50	30	4.0	0.5	1	5	20	0.5	10	Fig. 23	No. 3180
	RPI-572	50	30	5	0.5	2	5	20	0.5	10	Fig. 24	—
	RPI-581	50	30	5	0.5	2	5	20	0.5	10	Fig. 25	
	PLI-13M	50	30	1.2	0.4	4	5	20	0.5	10	Fig. 26	No. 2701
	PLI-13MA	50	30	1.2	0.4	0.07 Min.	0.6	1.3	0.5	10		
	PLI-13MB	50	30	1.2	0.4	0.6 Min.	5	9	0.5	10		
	PLI-13MC	50	30	1.2	0.4	0.065 Min.	5	1.5	0.5	10		
	PLI-13MD	50	30	1.2	0.4	2 Min.	4.5	20	0.5	10		
	PLI-13ME	50	30	1.2	0.4	0.7 Min.	5	20	0.5	10		
	PLI-14M	50	30	1.2	0.4	0.03 Min.	5	1.5	0.5	10	Fig. 27	—
	PLI-14MC	50	30	1.2	0.4	0.065 Min.	5	1.5	0.5	10		
	PLI-14MG	50	30	1.2	0.4	0.14 Min.	5	1.5	0.5	10		
	PLI-14MF	50	30	1.2	0.4	0.03 Min.	5	1.5	0.5	10		

Output	Type	Absolute maximum rating			Standard Characteristics					Output mode	Package	Reference Catalog
		I _F (mA)	V _{CC} (V)	I _O (mA)	Detection groove width (mm)	Slit width (mm)	V _F (V)	V _{OL} (V)	I _{FLH} (mA)			
Digital	RPI-811	—	9	20	8	0.8	—	0.4 Max.	—	Dark ON	Fig. 28	No. 2961
	RPI-1370	50	17	20	3.2	0.5	1.1	0.14	2.0	Dark ON	Fig. 29	
	RPI-1373	50	17	20	3.2	0.5	1.1	0.14	2.0	Dark ON	Fig. 30	
	RPI-1374	50	17	20	3	0.5	1.1	0.14	1.5	Dark ON	Fig. 31	
	RPI-1380	50	17	20	3	0.7	1.1	0.14	1.5	Dark ON	Fig. 32	
	RPI-1572	50	17	20	5	0.5	1.1	0.14	3	Dark ON	Fig. 33	
	RPI-1581	50	17	20	5	0.5	1.1	0.14	3	Dark ON	Fig. 34	

3 Reflective Photosensors (Photo Reflector)

Output	Type	Absolute maximum rating		Standard Characteristics							Package	Reference Catalog
		I _F (mA)	V _{CEO} (V)	Detection distance (mm)	I _C (μA)	V _{CE} (V)	I _F (mA)	I _{CEO} MAX. (μA)	tr·tf (μs)	V _{CE(sat)} (V)		
Photo Transistor	RPR-42F	50	30	0.8	500	5	20	0.5	10	0.1	Fig. 35	No. 2701
	RPR-359F	50	30	3.5	500	5	20	0.5	10	0.1	Fig. 36	No. 2701
	RPR-360FSC	50	30	3.5	550	5	20	0.5	10	0.1	Fig. 37	—
	PR-361FS	50	30	3.5	550	5	20	0.5	10	0.1	Fig. 38	
	PR-362FS	50	30	3.5	550	5	20	0.5	10	0.1	Fig. 39	

Dimensions (Unit: mm), Equivalent Intergrated Circuits

RPI-37R

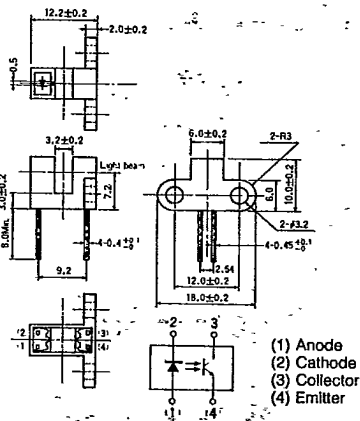


Fig. 15.

RPI-38

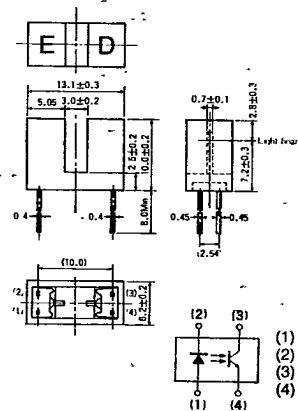


Fig. 16

RPI-241

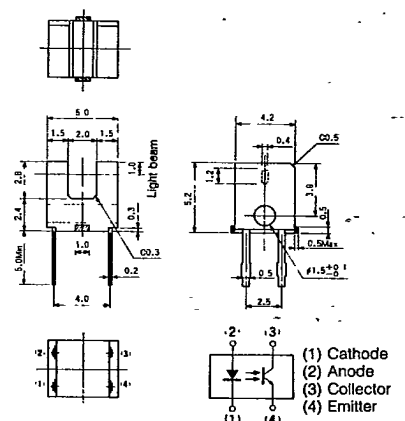


Fig. 17