

















光学传感器



透过型光电断路器	P.276	反射型光电传感器(光反射器)	P.277
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透过型光电断路器

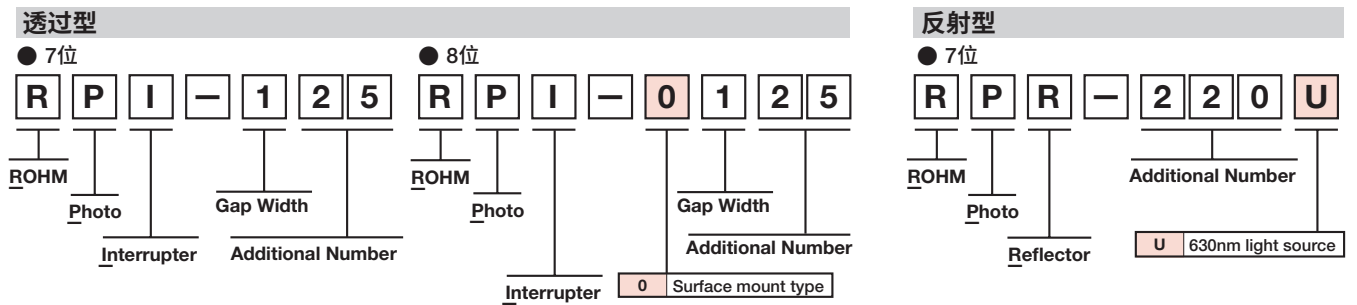
线性光电晶体管输出

Package	Exterior	Part No.	Output type	Standard Characteristics						Packing Specifications	Positioning	Remarks
				Detection Groove Width (mm)	Slit Width (mm)	I _c (mA)	V _{CE} (V)	I _F (mA)	tr, tf (μs)			
Surface Mount type		New RPI-0128	Phototransistor	1.2	0.2	1.0 Min 5.0 Max	5	5	10	Taping		Ultra-Compact
		RPI-0125		1.2	0.3	0.45 Min 4.95 Max	5	20	10			Ultra-Compact
		RPI-0226		2.0	0.3	0.1 Min	5	5	50		✓	Compact
		RPI-0352E		3.0	0.4	0.18 Min	5	10	10		✓	Wide Gap, Energy Saving, High Efficiency
		RPI-0451E		4.5	0.5	0.16 Min	5	10	10		✓	Wide Gap, Energy Saving, High Efficiency
Lead type		RPI-122	Phototransistor	0.8	0.25	0.18 Min 1.08 Max	0.7	3	10	Bulk		Ultra-Compact
		RPI-121		0.8	0.4	0.7 Min	5	20	10			Ultra-Compact
		RPI-125		1.2	0.3	0.45 Min 4.95 Max	5	20	10			Ultra-Compact
		RPI-221		2.3	0.4	0.2 Min	5	20	10			
		RPI-222		2.0	0.2	0.18 Min 0.95 Max	5	10	10			
		New RPI-222G		2.0	0.2	0.18 Min 0.95 Max	5	10	10			Halogen free
		RPI-243		2.0	0.4	0.5 Min	5	20	10			
		RPI-246		2.0	0.2	0.35 Min 1.2 Max	5	20	10			
		RPI-352		3.0	0.4	0.2 Min	5	20	10		✓	Wide Gap
		RPI-441C1		4.0	0.5	0.2 Min	5	20	10		✓	Wide Gap
	RPI-441C1E	4.0	0.5	0.2 Min	5	10	10	✓	Wide Gap, Energy Saving, High Efficiency			

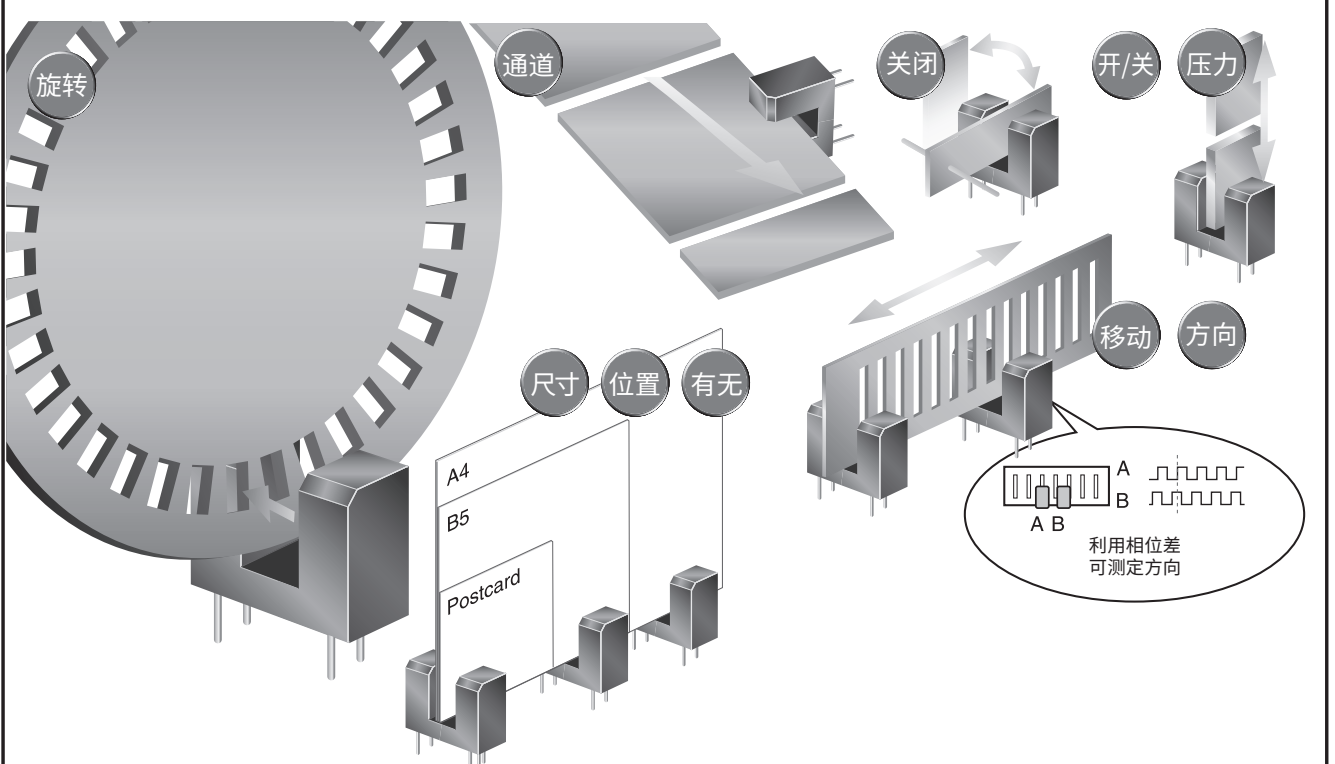
反射型光电传感器

光反射器型												
Package	Exterior	Part No.	Output type	Standard Characteristics								
				Focal Length (mm)	LED λ_p (nm)	PTr λ_p (nm)	I _c (mA)	V _{CE} (V)	I _F (mA)	tr, tf (μs)	Packing Specifications	Remarks
Lead type		RPR-220	Phototransistor	6.0	940	800	0.08 Min 0.8 Max	2	10	10	Bulk	
		RPR-220UC30N		6.0	630	800	0.08 Min 0.8 Max	5	10	10	Stick	Emitting Color: Red

●品名构成说明



任何位移的探测



旋转 通道 关闭 开关 压力 移动 方向



尺寸 位置 有无

A4
B5
Postcard

A B
利用相位差可测定方向


红外发光二极管

适用于遥控器送信机、光通信等，拥有丰富的产品系列。

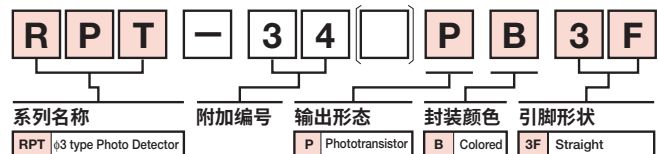
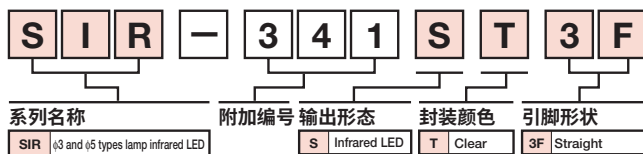
红外发光二极管											
Package	Exterior	Part No.	Features	Absolute Maximum Rating	Standard Characteristics						
				I _F (mA)	I _E (mW/sr)	I _F (mA)	V _F (V)	I _F (mA)	λ _P (nm)	tr, tf (μs)	θ1/2 (deg)
φ3 resin		SIR-34ST3F	Optimized for remote controls	100	10.5	50	1.3	100	950	1	27
		SIR-341ST3F	Compact, high power	75	18.1	50	1.3	50	940	1	16
φ5 resin		SIR-56ST3F	Optimized for remote controls	100	15	50	1.3	100	950	1	15
		SIR-563ST3F	High output, Optimized for remote controls	100	21	50	1.34	50	940	1	15

光电晶体管


罗姆的光电晶体管多用于高可靠性、高输出的小型精密仪器，拥有φ3mm的正面发光型和侧面发光型。

光电晶体管												
Package	Exterior	Part No.	Feature	Visible Light Filter	Visible Light Filter		Standard Characteristics					
					V _{CE0} (V)	P _C Max (mW)	I _{CE0} Max (μA)	V _{CE} (V)	I _C (mA)	λ _P (nm)	tr, tf (μs)	θ1/2 (deg)
φ3 resin		RPT-34PB3F	Visible light filter	✓	32	150	0.5	10	2.0 Min	800	10	36
		RPT-37PB3F	Visible light filter, Polarity discrimination	✓	32	150	0.5	10	2.0 Min	800	10	36
		RPT-38PB3F	Visible light filter	✓	32	150	0.5	10	2.0 Min	800	10	36

●品名构成说明



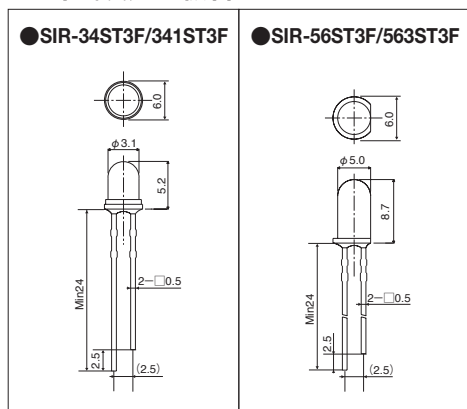
照度·接近一体型传感器

照度·接近一体型传感器									
Package	Exterior	Part No.	Features	Visible Light Filter	Interface	Absolute Maximum Rating		Standard Characteristics	
						V _{DD} Max (V)	V _{leda} Max (V)	PS Sensor Out (Count)	λ _P (nm)
Surface Mount type		RPR-0521RS	Proximity Sensor and Ambient Light Sensor	Built-in Noise Cancellation Function	I ² C	4.5	7	80	940

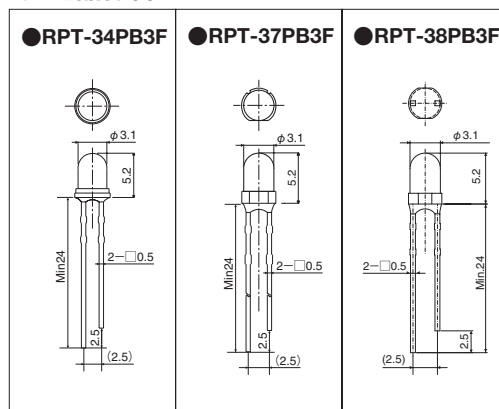
封装

●外形尺寸图 (单位: mm)

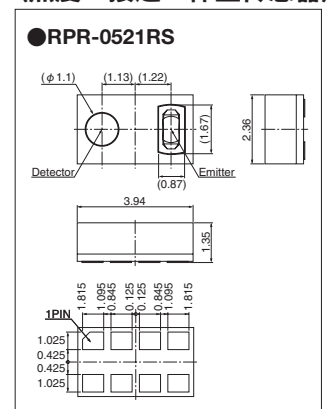
<红外线发光二极管>



<光电晶体管>



<照度·接近一体型传感器>



●外形尺寸图 (单位: mm)

〈光电断路器〉

