

Sensors 查询RPM-22PB供应商

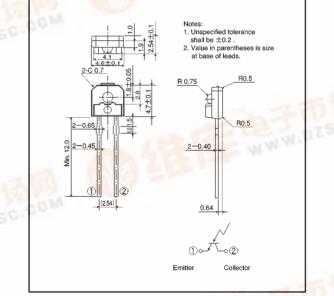
出货

Phototransistor, side view type RPM-22PB

The RPM-22PB is a silicon phototransistor in a side-facing package. High sensitivity with \$1.5 lens.

Applications
Optical control equipment
Receiver for sensors

External dimensions (Units: mm)



•Features

- 1) High sensitivity.
- Molded in plastic with a visible light filter. (filter out light 750 nm or less)
- 3) Side-facing detector.

•Absolute maximum ratings (Ta = 25° C)

Parameter	Symbol	Limits	Unit	
Collector-emitter voltage	VCEO	32	V	
Emitter-collector voltage	VECO	5	V	
Collector current	IC IC	30	mA	
Collector power dissipation	Pc	100	mW	
Operat <mark>ing temper</mark> ature	Topr	-25~+85	°C	
Storage temperature	Tstg	-30~+100	°C	

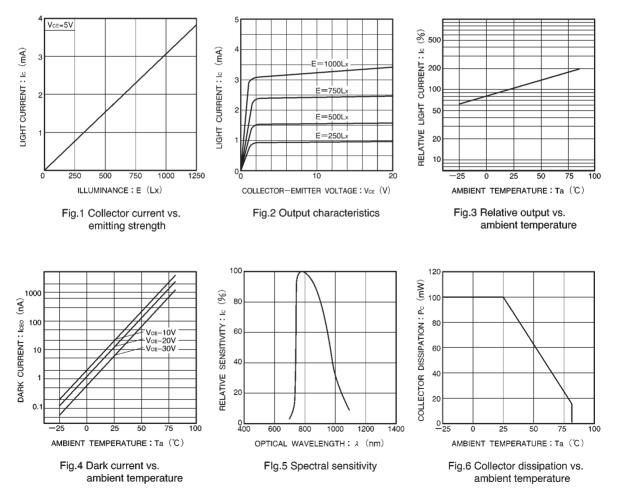


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Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Light current	lc	0.48	_	1.94	mA	V _{CE} =5V, E=500Lx
Dark current	ICEO	_	_	0.5	μA	VcE=10V(Black box)
Peak sensitivity wavelength	λp	_	800	_	nm	_
Collector-emitter saturation voltage	VCE(sat)	—	-	0.4	V	Ic=0.1mA, E=500Lx
Half-angle	θ 1/2	_	±32	_	deg	—
Response time	tr・tf	_	10	_	μs	Vce=5V, Ic=1mA, RL=100Ω

Electrical and optical characteristics (Ta = 25°C)

Electrical and optical characteristic curves



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