

Reflective Photo Interrupter Perception Color (KIR-1001A,1002A,1003A)

Description

- It is applied mini opto sensor to Printers or Copiers.
 - : Size : Ф4.0mm*3.0mm
- It is high-performance standard type.
 - : Combines a high-output Visable LED with a high sensitivity phototransistor.
- High reliability, Low power dissipation and Long life span.
- It is designed for use in general electric equipments such as OA, Household appliances, Industrial sensor, etc.



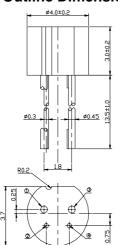
Features

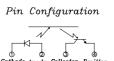
- compact(Φ4.0mm)
- Easy to mount on P.C.B.
- High performance
- High speed response
- Widely applicable

Application

- Color Detector Sensor
- Printers
- Copiers

Outline Dimensions







Characteristics

[Ta = 25]

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Parameter		Symbol	1001A	1002A	1003A	Unit	Condition
Input	Forward voltage	VF	2.0	2.1	3.7	V	IF = 20mA
	Reverse Current	IR	Max. 10	←	←	μΑ	VR = 5V
	Capacitance	СТ	25	←	←	рF	f = 1kHz
	Peak wavelength	Р	639	572	474	nm	-
Output	Collector Dark Current	ICEO	Max. 100	←	←	nA	VCE = 10V 0 Lux
Transmission	Leakage Current	ICEOD	Max. 10	←	←	μΑ	VCE = 5V, IF=20mA (Shading)
	Collector-Emitter Saturation Voltage	VCE(Sat)	Max. 0.4		\	V	IF=20mA,IC=0.1mA
Response Time	Rise Time	tr	50	←		μs	Vcc=5V, IC= 0.1 mA RL = $1k\Omega$

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