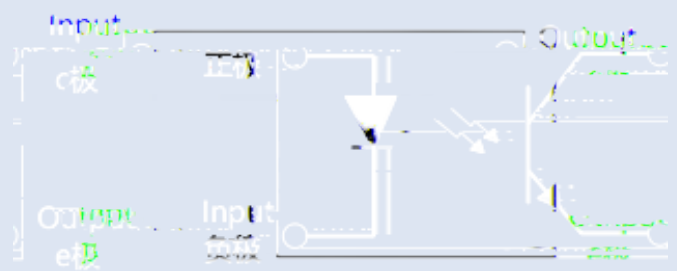
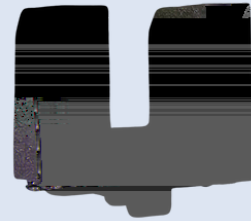


- ①: Cathode
- ②: Anode
- ③: Collector
- ④: Emitter

Input Vcc



LG-ITR20403-S



| DEVICE NO. | CHIP MATERIAL | LENS COLOR |
|------------|---------------|------------|
| IR | GaAs | Black |
| PT | Silicon | Black |

DESCRIPTIONS

LG-ITR20403-S consists of an IR LED (940nm) and a PT phototransistor. The IR LED and PT phototransistor are oppositely encapsulated inside a black high-temperature-resistant material, which shields external light. Under normal conditions, the PT phototransistor can only receive signals from the IR LED. When an object blocks the path between the IR LED and the PT phototransistor, the PT phototransistor cannot receive the signal from the IR LED.

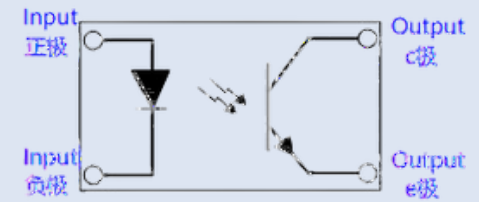
APPLICATION

- ★ Camera
- ★ Copier
- ★ Scanner
- ★ Non-contact switch
- ★ Various microcomputer-controlled devices

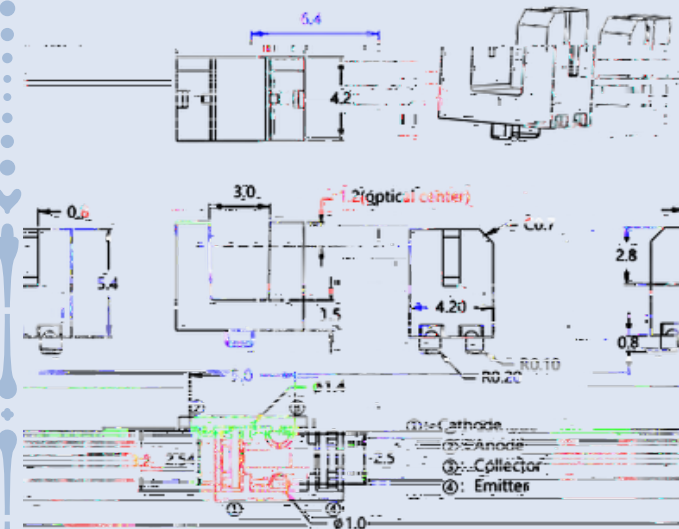
FEATURES

- Dimensions: 6.4×4.2×5.4mm
- Miniature, SMD patch type, pitch 3.0mm
- High sensitivity, fast response
- Shields external light, strong anti-interference capability
- Low power consumption, high reliability
- Lead-free, compliant with RoHS standards

PACKAGE DIMENSIONS



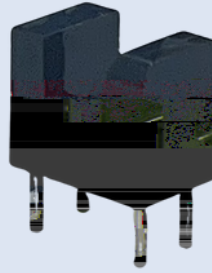
外形尺寸



NOTS

1. All dimensions are in millimeters.
2. Tolerance is ± 0.20 mm unless otherwise noted.

LG-ITR20403-C



| DEVICE NO. | CHIP MATERIAL | LENS COLOR |
|------------|---------------|------------|
| IR | GaAs | Black |
| PT | Silicon | Black |

DESCRIPTIONS

The LG-ITR20403-C consist of an infrared emitting diode and a silicon phototransistor, encased side-by-side on converging optical axis in a black thermoplastic housing. The phototransistor receives radiation from the IR LED only. This is the normal situation. But when an object is in between, phototransistor could not receives the radiation.

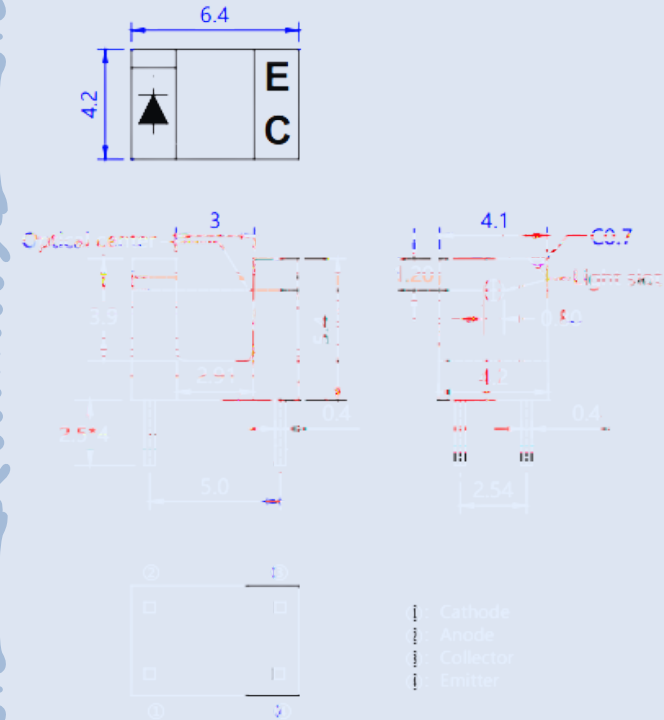
APPLICATION

- ★ Mouse Copier
- ★ Switch Scanner
- ★ Floppy disk driver
- ★ Non-contact Switching
- ★ For Direct Board

FEATURES

- Fast response time
- High analytic
- Cut-off visible wavelength $\lambda_p=940\text{nm}$
- High sensitivity
- Pb free
- The product itself will remain within RoHS compliant version

PACKAGE DIMENSIONS



NOTS

1. All dimensions are in millimeters.
2. Tolerance is $\pm 0.20\text{mm}$ unless otherwise noted.
3. Lead spacing is measured where the leads emerge from the package.

LG-ITR2151-C



| DEVICE NO. | CHIP MATERIAL | LENS COLOR |
|------------|---------------|------------|
| IR | GaAs | B |
| PT | Silicon | Black |

DESCRIPTIONS

G C
ED
B

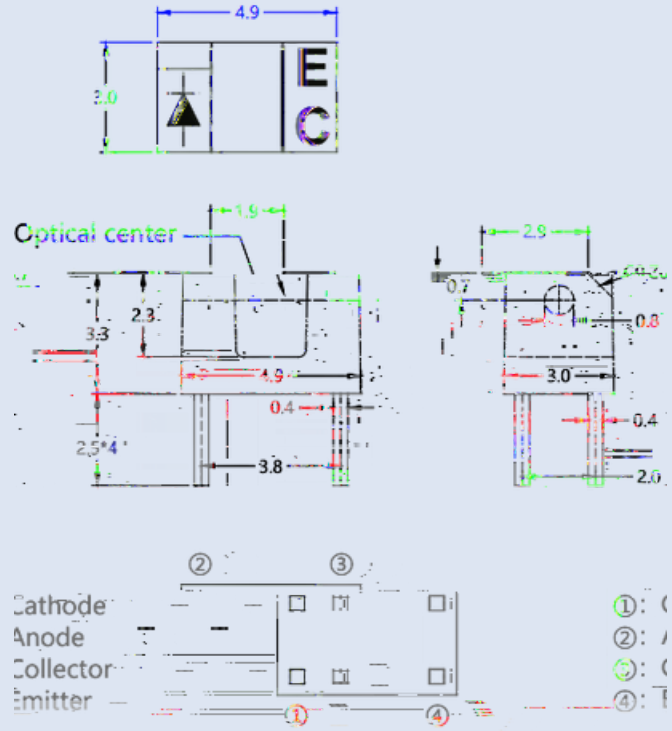
APPLICATION

C

D B

FEATURES

PACKAGE DIMENSIONS

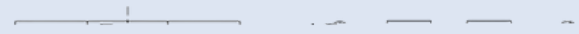
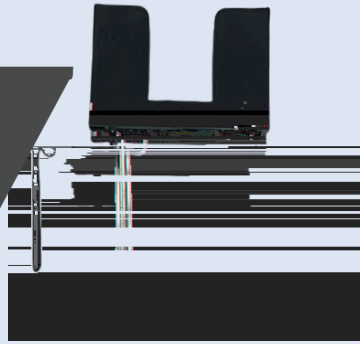


NOTS

A

LG-ITR2C-

对标亿光料号 ITR9606



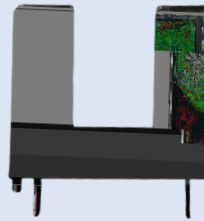
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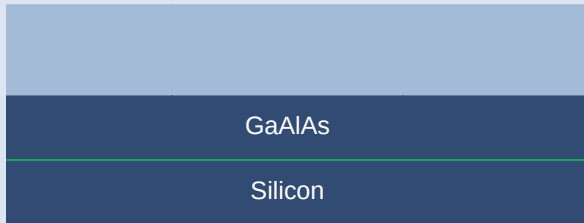
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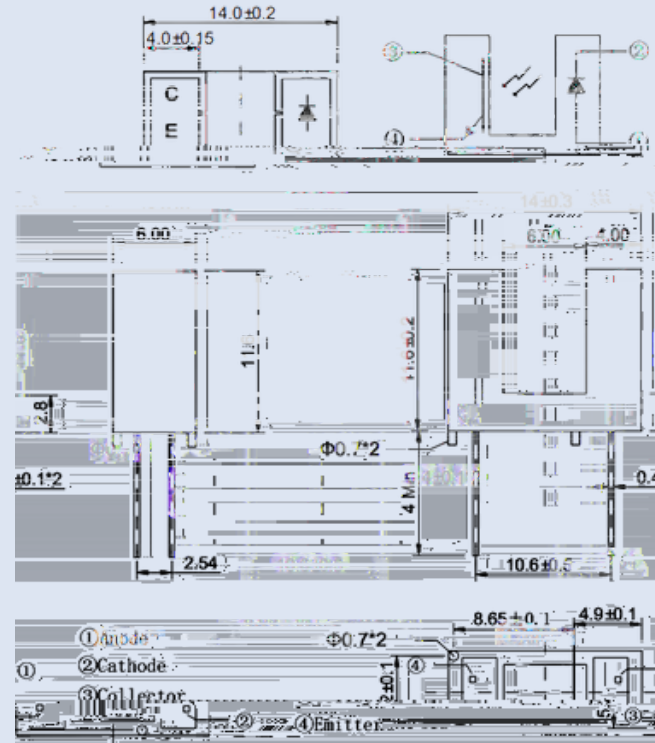
对标亿光料号 ITR8402



- ★ Mouse Copier
- ★ Switch Scanner
- ★ Floppy disk driver
- ★ Non-contact Switching
- ★ For Direct Board

The LG-ITR2C-554624 consist of an infrared emitting diode and an silicon phototransistor, encased side-by-side on converging optical axis in a black thermoplastic housing, The phototransistor receives radiation from the IR LED only .This is the normal situation. But when an object is in between , phototransistor could not receives the radiation.

Fast response time
 High analytic
 Cut-off visible wavelength
 $\lambda_p=940\text{nm}$
 High sensitivity
 Pb free
 The product itself will remain within
 RoHS compliant version



1. All dimensions are in millimeters.
2. Tolerance is $\pm 0.20\text{mm}$ unless otherwise noted.
3. Lead spacing is measured where the leads emerge from the package.

LT-ITR8307S



| DEVICE NO. | CHIP MATERIAL | LENS COLOR |
|------------|---------------|------------|
| IR | GaAs | / |
| PT | Silicon | / |

DESCRIPTIONS

LT-ITR8307S is a reflective photoelectric switch that includes a GaAs infrared LED emitter and a highly sensitive NPN phototransistor receiver, suitable for short-range detection and operating in the infrared spectral range. These two components are installed side by side in a plastic package. This photoelectric switch has the characteristics of fast response speed, high sensitivity, strong anti-interference ability, low power consumption, small size, and strong reliability.

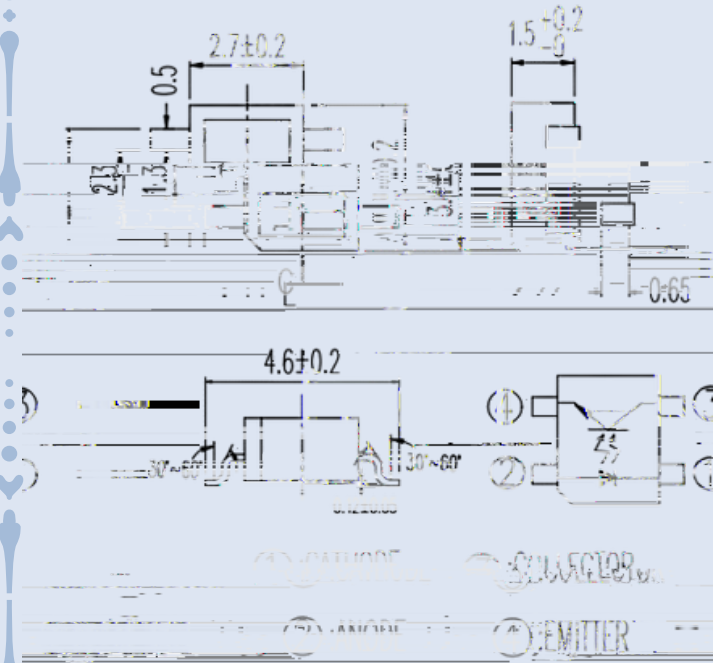
APPLICATION

- ★Camera
- ★Mouse Copier
- ★Switch Scanner
- ★Floppy disk driver
- ★Non-contact Switching
- ★For Direct Board
- ★Various microcomputer control equipment

FEATURES

- Fast response time
- High sensitivity
- Cut-Off visible wavelength
- Strong anti-interference ability
- Thin
- High reliability
- Compact

PACKAGE DIMENSIONS



NOTS

1. All dimensions are in millimeters
2. Tolerances unless dimensions ±0.15mm