

...the first of these is the fact that the ...

...the second of these is the fact that the ...

...the third of these is the fact that the ...

...the fourth of these is the fact that the ...

...the fifth of these is the fact that the ...

...the sixth of these is the fact that the ...

■ Features

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



■ Descriptions

The LG-ITR2C-502725 consist of an infrared emitting diode and an NPN silicon phototransistor, encased side-by-side on converging optical axis in a black Thermoplastic

Housing The phototransistor receives radiation from the IRED only .This is the normal Situation. But when an object is in between , phototransistor could not receives the radiation.

■ Applications

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

■ Device Selection Guide

| Device No. | Chip Material | LENS COLOR |
|------------|---------------|-------------|
| IR | GaAlAs | Water Clear |
| PT | Silicon | Water Clear |

■ Absolute Maximum Ratings (Ta=25°C)

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■ Electro-Optical Characteristics (Ta=25°C)

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■ Typical Electrical/Optical/Characteristics Curves for PT

Fig.1 Spectral Sensitivity

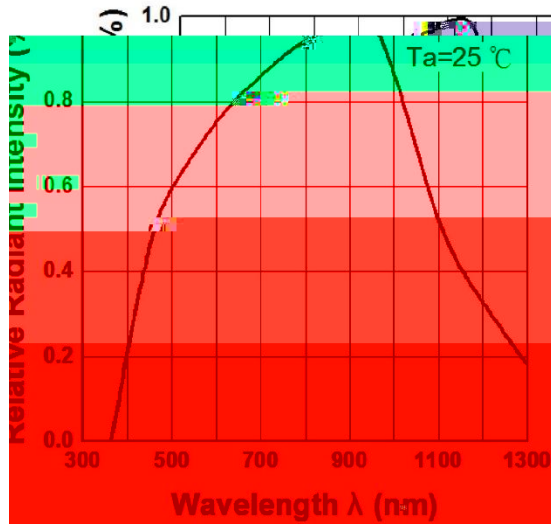


Fig.2 Collector Current vs. Irradiance

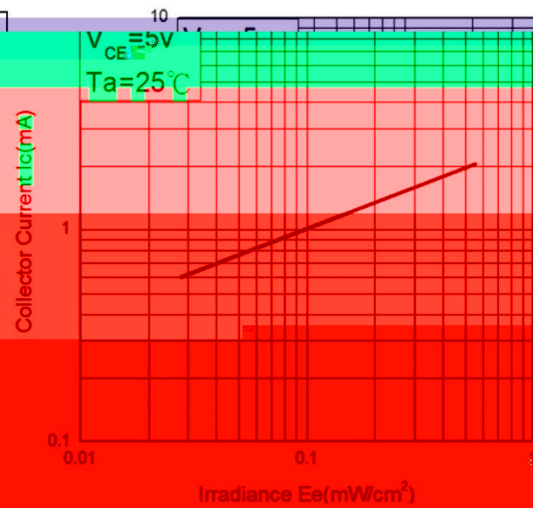


Fig.3 Collector Current vs. Collector-Emitter Voltage

