

■ Features

- Fast response time
- High analytic
- Cut-off visible wavelength $\lambda_c=940\text{nm}$
- 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℃)

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	14 E		4	
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	D , 0	D	,14 *74	
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	0 4 4	0	15/	
	0 ')1(4 4			

')Q 0// + Q/ - ')1(4 -

■ Electro-Optical Characteristics (Ta=25℃)

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			...	...	0/	4
	0		...	83/	...	E 1/
	C	... D	...	...	0//	D 0/ + D / . ¹
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		' (	0-/	02-7	...	D 4 E 1/
/			...	04	...	D 4
	E	/	...	04	...	0 0

4

■ Typical Electrical/Optical/Characteristics Curves for PT

Fig.1 Spectral Sensitivity

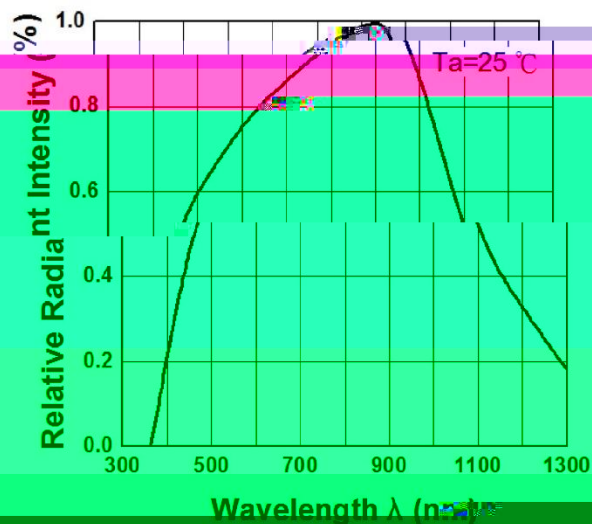


Fig.2 Collector Current vs. Irradiance

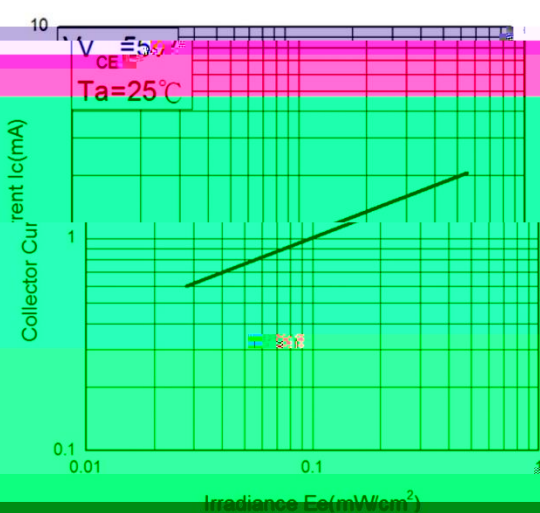


Fig.3 Collector Current vs. Collector-Emitter Voltage

