

■ 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)

		2	0	
	C		64	
	0		4	
	4		4/	
	0		0	
	C		64	
			1/	
	,D 0	D	2/	
	D 0	D	4	
0			,14 *74	
0	4 4	0	,3/ *74	
0)1(4 4		15/	

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Electro-Optical Characteristics (Ta=25°C)

		2 ₄	-	-	-	
	0	01	05		1/	
		...	0/		4	
	0	83/	...		1/	
	C	...	0//		D 0/ + D / . 1	
	,D 0	D' (...	/-3	/-4 D 0/ . 1	
		' (0/-	02-7	...	D 4 1/
/		...	04	...	D 4	
	0	...	04	...	0 0	

4

■ Typical Electrical/Optical/Characteristics Curves for PT

Fig.1 Spectral Sensitivity

Fig.2 Collector Current vs. Irradiance

