

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

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

Electro-Optical Characteristics (Ta=25°C)

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

4

■ Typical Electrical/Optical/Characteristics Curves for PT

Fig.1 Spectral Sensitivity

Fig.2 Collector Current vs. Irradiance

