

LG-ITR2C-554624

DATA SHEET

SPEC.NO.: SZ19060410
DATE: 2019/06/04
REV. A/0

Approved By:

Checked By:

Prepared By:

■ 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

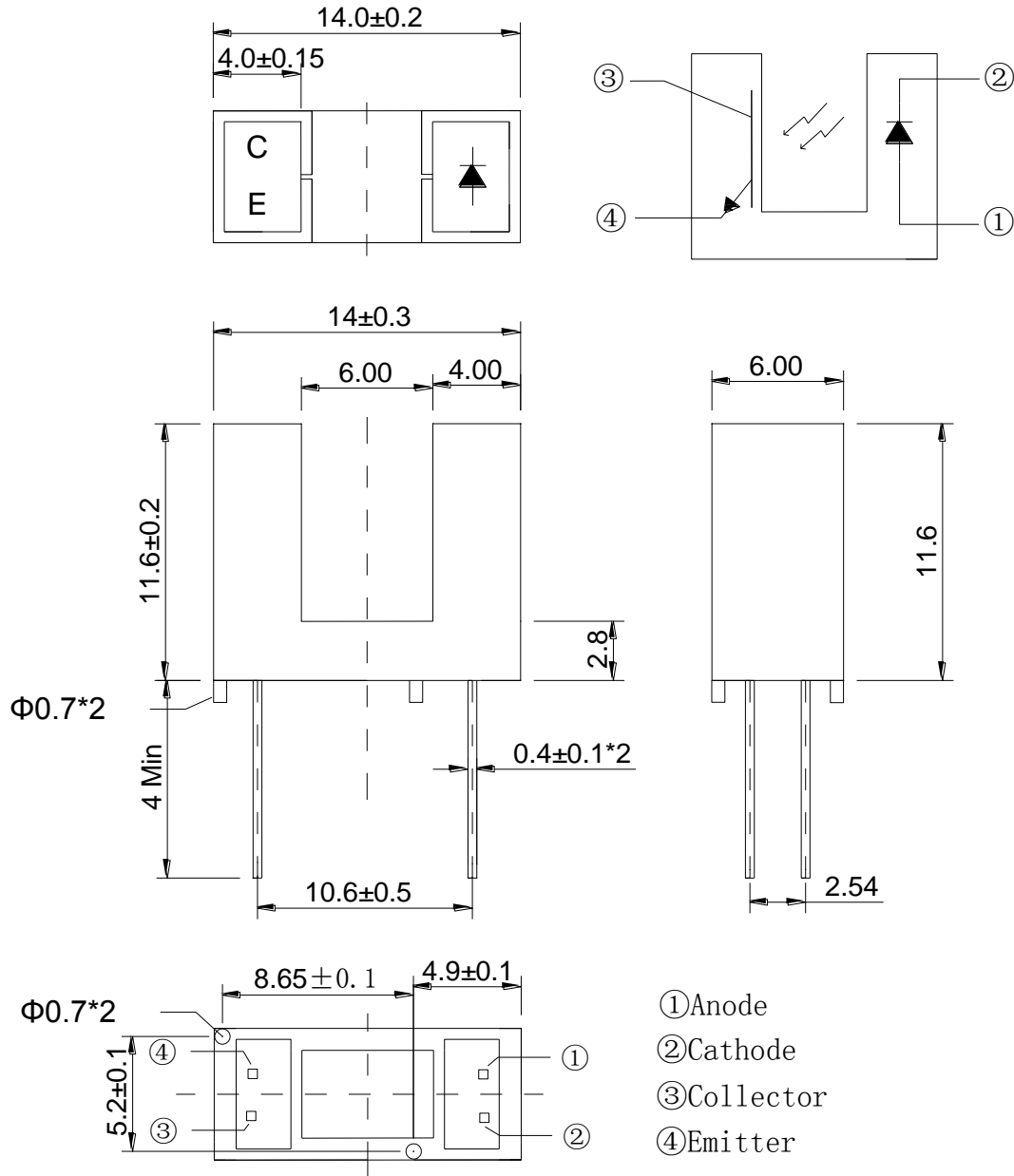
LG-ITR2C-554624

- 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

Package Dimensions



Notes:

- 1.
- 2.
- 3.

Absolute Maximum Ratings (Ta=25°C)

	°C						
	≦						
							°C
							°C
							°C

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Electro-Optical Characteristics (Ta=25°C)

Parameter		Symbol	Min.	Typ.	Max.	Unit	Conditions
Input	Forward Voltage	VF	---	1.2	1.5	V	IF=20mA
	Reverse Current	IR	---	---	10	μA	VR=5V
	Peak Wavelength	P	---	940	---	nm	IF=20mA
Output	Dark C urrent	ICEO	---	---	100	nA	VCE=20V, Ee=0mW/cm2
	C-E Saturation Voltage	VCE(sat)	---	---	0.4	V	IC=2mA, Ee=1mW/cm2
Transfer Characteristics	Collect Current	IC(ON)	0.5	---	---	mA	VCE=5V, IF=20mA
	Rise time	tr	---	15	---	μsec	VCE=5V, IC=1mA, RL=1K
	Fall time	tf	---	15	---	μsec	

