LG-ITR2C-554624

DATA SHEET

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

Approved By: Checked By: Prepared By:

Features

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The LG-ITR2C-554624 consist oc ™ה

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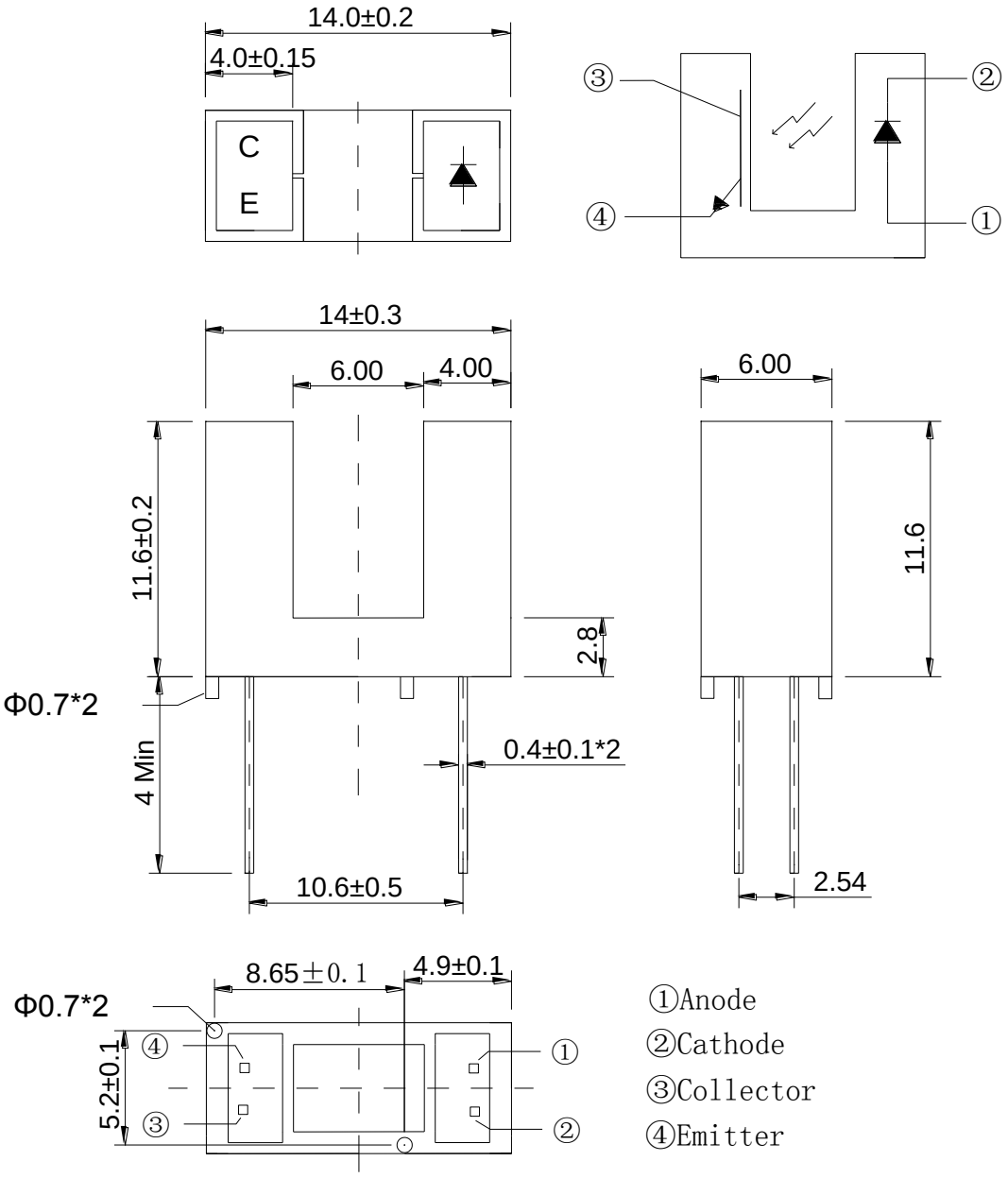
Device Selection Guide

Device No.	Chip Material	LENS COLOR

Package Dimensions



Notes:

1. All dimensions are in millimeters.
2. Tolerance is ±0.20mm unless otherwise noted.
3. Lead spacing is measured where the leads emerge from the package.

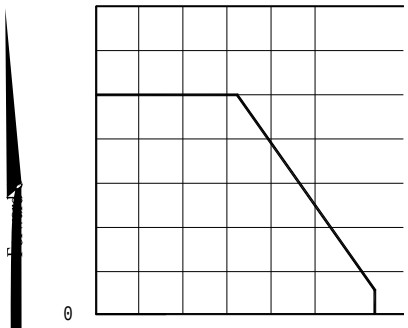
Absolute Maximum Ratings (Ta=25℃)

Parameter		Symbol Ratings	Unit	
Input	Power Dissipation at(or below) 25℃ Free Air Temperature	Pd	75	mW
	Reverse Voltage	V_R	5	V
	Forward Current	I_F	50	mA
	Peak Forward Current (*1) Pulse width ≦100μs, Duty cycle=1%	I_{FP}	1	A
Output	Collector Power Dissipation	P_C	100	mW
	Collector Current	I_C	50	mA
	Collector-Emitter Voltage	B V_{CEO}	30	V
	Emitter-Collector Voltage	B V_{ECO}	5	V
Operating Temperature		Topr	-20~+65	℃
Storage Temperature		Tstg	-30~+70	℃
Lead Soldering Temperature (*2) (1/16 inch form body for 5 seconds)		Tsol	260	℃

(∗1) tw=100 μsec. , T=10 msec. (∗2) t=5 Sec

Electro-Optical Characteristics (Ta=25℃)

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	λP	---	940	---	nm	IF=20mA
Output	Dark C urrent	ICEO	---	---	100	nA	V_{CE}=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	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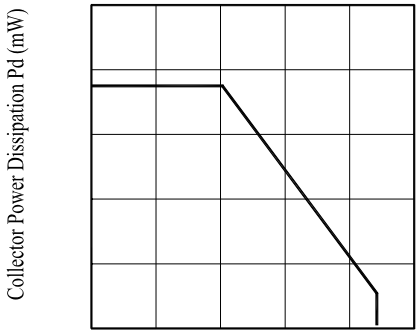
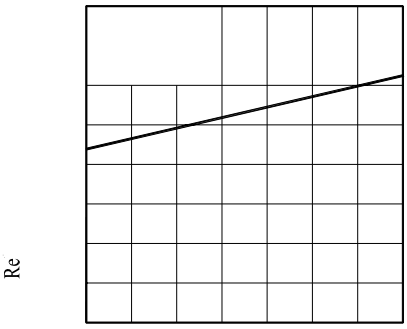
Ambient Temperature (°C)


Collector Power Dissipation Pd (mW)
Ambient Temperature Ta (°C)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Ambient Temperature Ta (°C)