

LG-ITR2C-191312

DATA SHEET

SPEC.NO. : SZ21101102
DATE : 2021/10/11
REV. : A/0

Approved By:

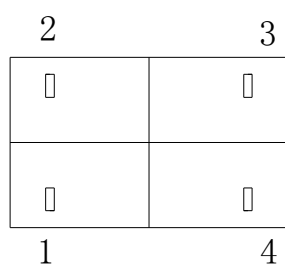
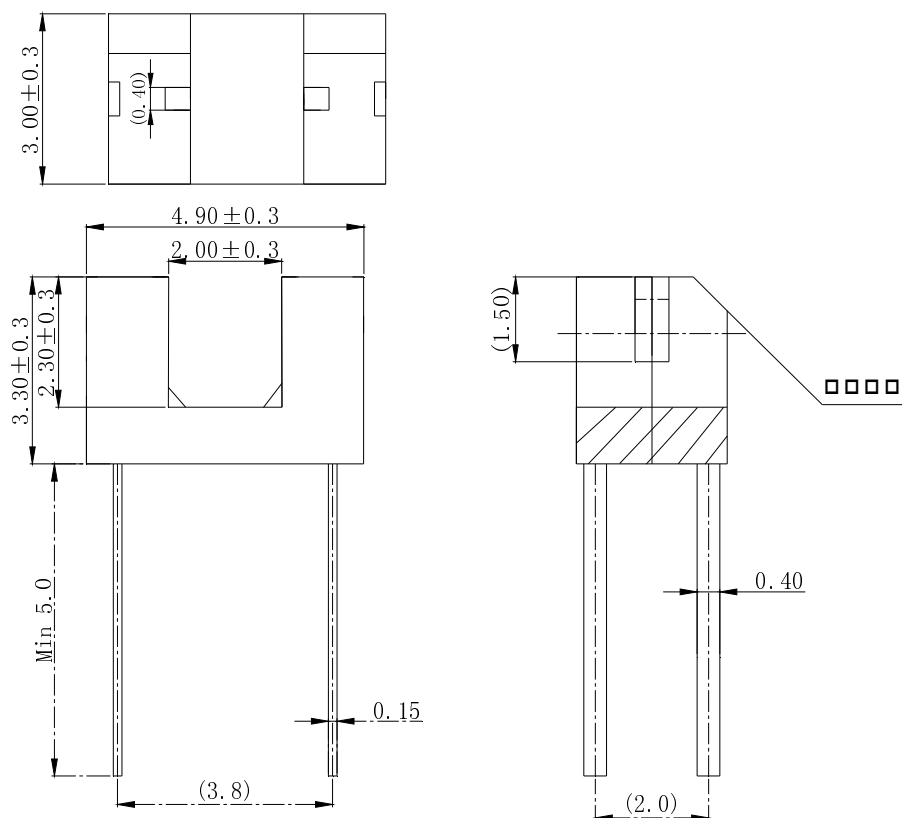
Checked By:

Prepared By:



LIGHT ELECTRONICS CO., LTD.

Package Dimensions



1: Cathode
2: Anode
3: Collector
4: Emitter

Notes:

- 1.
- 2.
- 3.

Absolute Maximum Ratings (Ta=25°C)

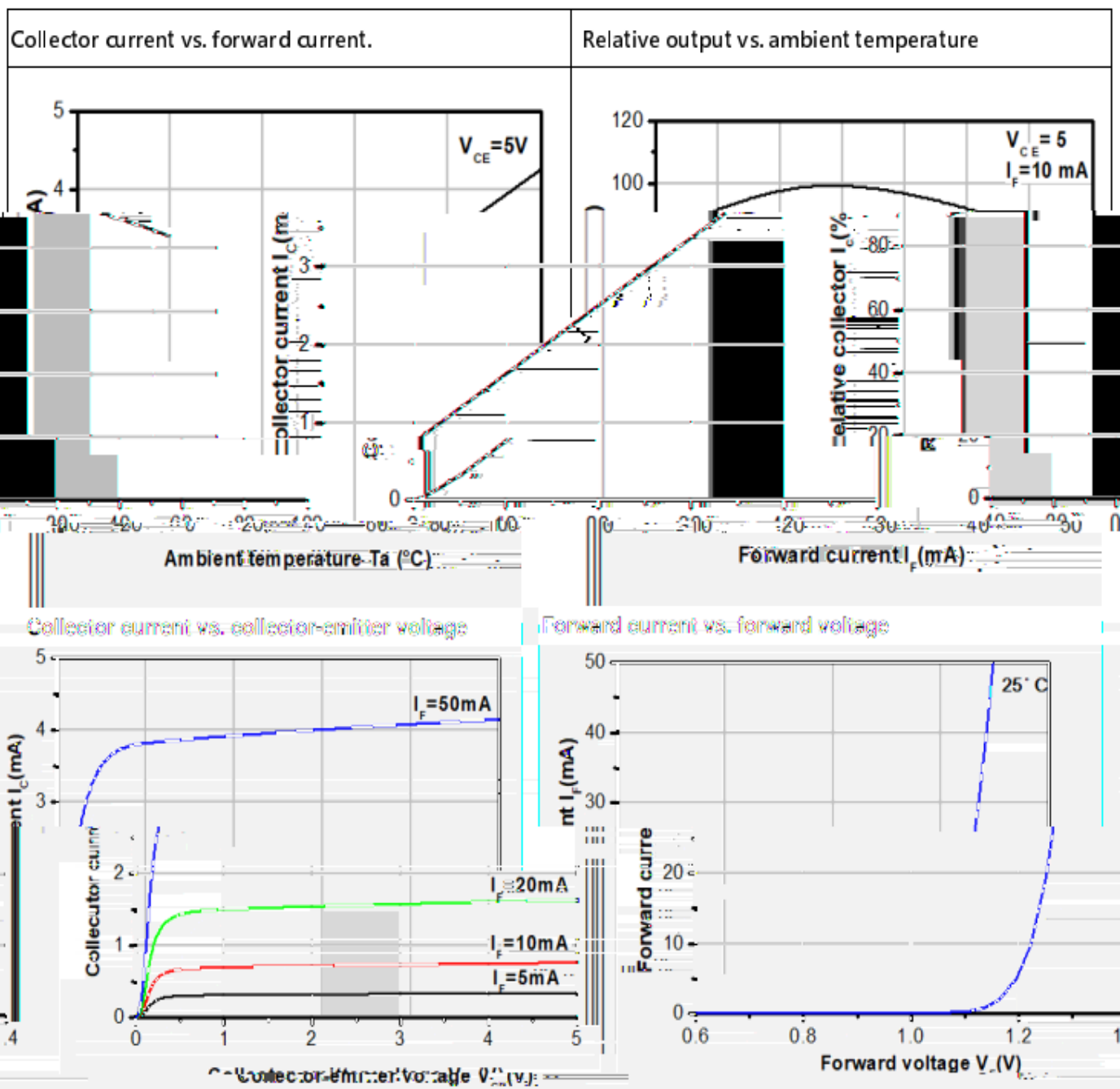
Parameter		Symbol Ratings	Unit	
Input	Power Dissipation at(or below) 25°C Free Air Temperature	Pd	75	mW
	Reverse Voltage	VR	5	V
	Forward Current	IF	30	mA
	Peak Forward Current (*1) Pulse width ≤ 100μs, Duty cycle=1%	IFP	300	mA
Output	Collector Power Dissipation	PC	75	mW
	Collector Current	IC	20	mA
	Collector-Emitter Voltage	B VCEO	70	V
	Emitter-Collector Voltage	B VECO	7	V
Operating Temperature		Topr	-20~+65	°C
Storage Temperature		Tstg	-30~+70	°C
Lead Soldering Temperature (*2) (1/16 inch form body for 5 seconds)		Tsol	260	°C

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

Electro-Optical Characteristics (Ta=25°C)

Parameter		Symbol	Min.	Typ.	Max.	Unit	Conditions
Input	Forward Voltage	VF	---	1.2	1.6	V	IF=20mA
	Reverse Current	IR	---	---	10	μA	VR=5V
	Peak Wavelength	λP	---	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)	0.15	---	---	mA	VCE=5V IF=20mA
	Rise time	tr	---	15	---	μsec	VCE=5V IC=1mA RL=1K
	Fall time	tf	---	15	---	μsec	

■ Typical Electrical/Optical/Characteristics Curves



Typical Electrical/Optical/Characteristics Curves

