

LG-ITR2C-191312 DATA SHEET

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

Approved By:

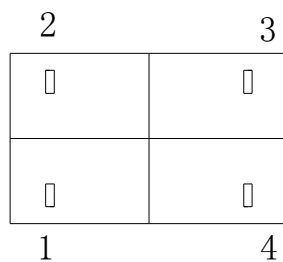
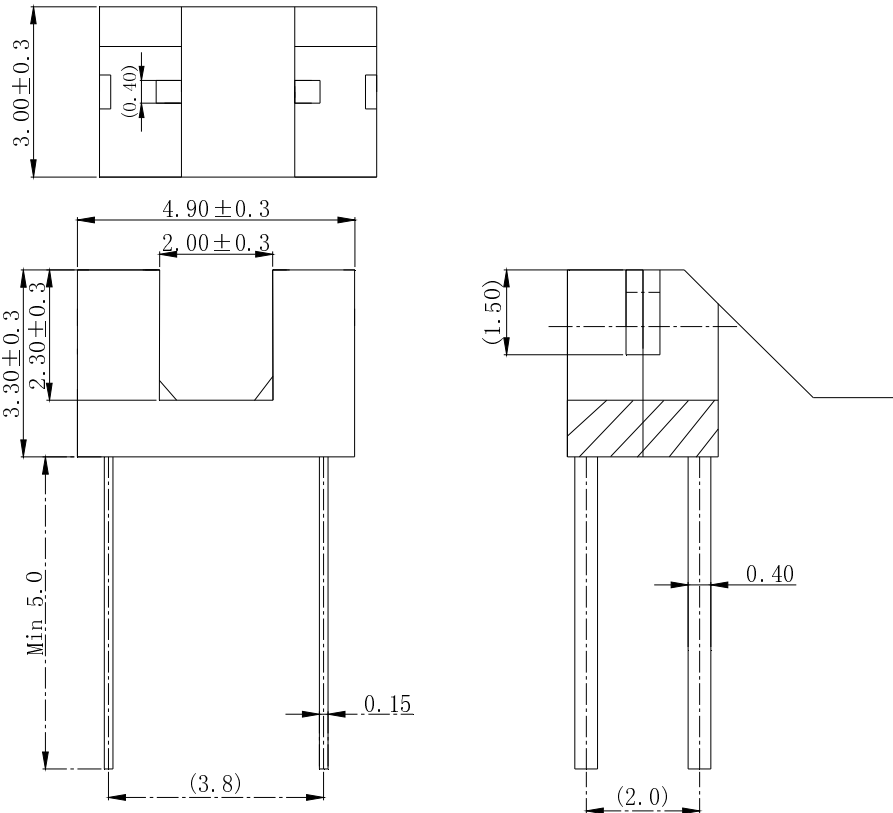
Checked By:

Prepared By:



LIGHT

■ Package Dimensions



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

Notes:

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

Absolute Maximum Ratings (Ta=25°C)

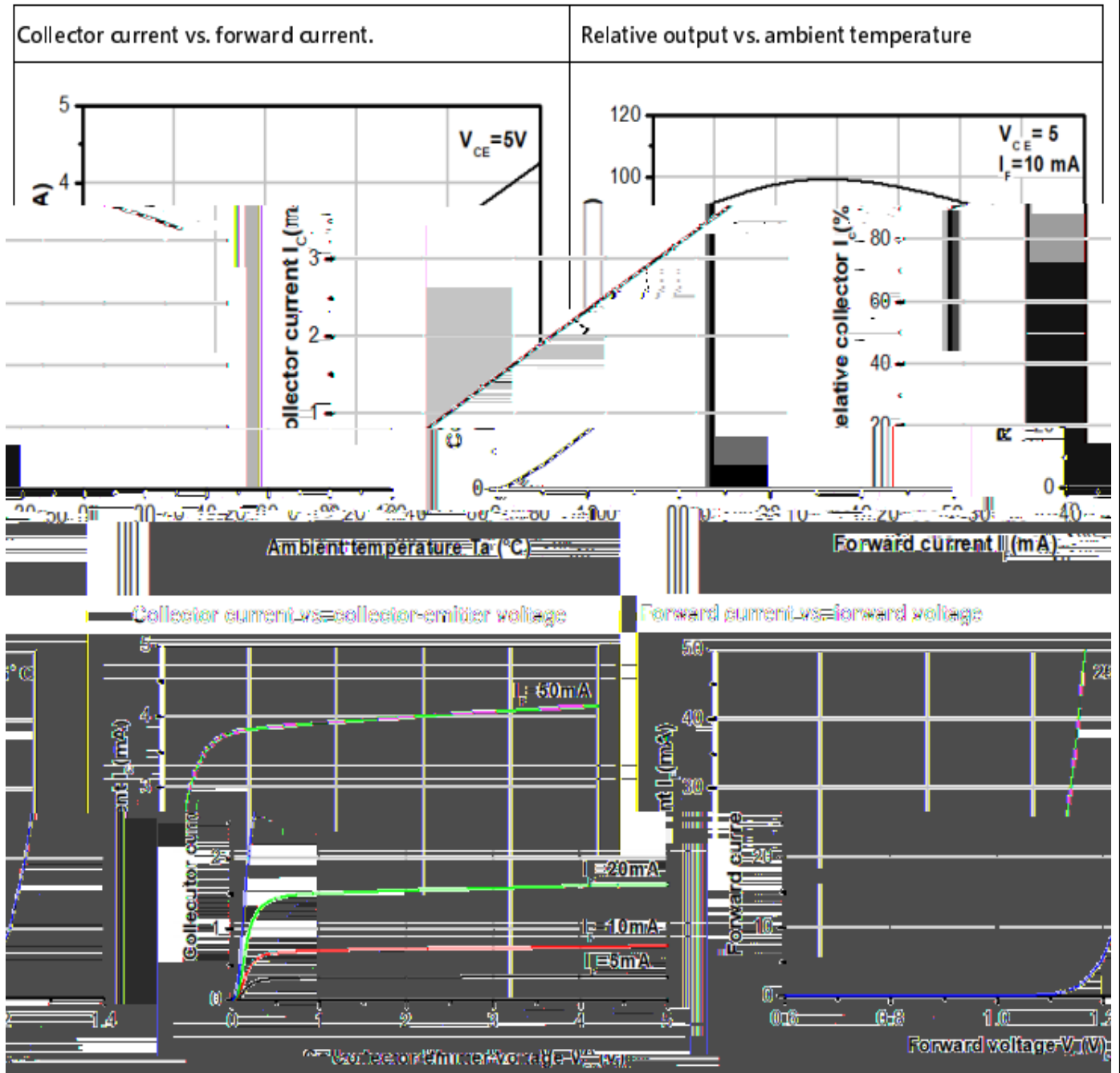
Symbol	Parameter	Unit	Min	Max
V _{CE}	Collector-Emitter Voltage	V		30
	Collector-Emitter Voltage (Pulsed)	V		40
	Collector-Emitter Voltage (Pulsed)	V		40
	Collector-Emitter Voltage (Pulsed)	V		40
V _{BE}	Base-Emitter Voltage	V		5
	Base-Emitter Voltage (Pulsed)	V		5
	Base-Emitter Voltage (Pulsed)	V		5
	Base-Emitter Voltage (Pulsed)	V		5
I _C	Collector Current (DC)	A		0.1
	Collector Current (Pulsed)	A		0.1
	Collector Current (Pulsed)	A		0.1
	Collector Current (Pulsed)	A		0.1
I _{BE}	Base Current (DC)	A		0.02
	Base Current (Pulsed)	A		0.02
	Base Current (Pulsed)	A		0.02
	Base Current (Pulsed)	A		0.02
T _{stg}	Storage Temperature	°C	-55	150
	Storage Temperature	°C	-55	150
T _{amb}	Ambient Temperature	°C	-55	150
	Ambient Temperature	°C	-55	150

*: Refer to the Absolute Maximum Ratings table for the maximum ratings.

Electro-Optical Characteristics (Ta=25°C)

Symbol	Parameter	Unit	Min	Max	Typ	Test Conditions
V _{CE(sat)}	Collector-Emitter Saturation Voltage	V	0.1	0.2	0.15	I _C =0.1A, I _{BE} =0.02A
	Collector-Emitter Saturation Voltage	V	0.1	0.2	0.15	I _C =0.1A, I _{BE} =0.02A
	Collector-Emitter Saturation Voltage	V	0.1	0.2	0.15	I _C =0.1A, I _{BE} =0.02A
V _{BE(on)}	Base-Emitter On Voltage	V	0.7	0.8	0.75	I _C =0.1A, I _{BE} =0.02A
	Base-Emitter On Voltage	V	0.7	0.8	0.75	I _C =0.1A, I _{BE} =0.02A
I _C	Collector Current (DC)	A	0.01	0.1	0.05	V _{CE} =30V, V _{BE} =0.7V
	Collector Current (Pulsed)	A	0.01	0.1	0.05	V _{CE} =30V, V _{BE} =0.7V
	Collector Current (Pulsed)	A	0.01	0.1	0.05	V _{CE} =30V, V _{BE} =0.7V
I _{BE}	Base Current (DC)	A	0.001	0.02	0.01	V _{CE} =30V, I _C =0.05A
	Base Current (Pulsed)	A	0.001	0.02	0.01	V _{CE} =30V, I _C =0.05A
	Base Current (Pulsed)	A	0.001	0.02	0.01	V _{CE} =30V, I _C =0.05A

Typical Electrical/Optical/Characteristics Curves



■ Typical Electrical/Optical/Characteristics Curves

