

# **LT-GDM-02-G3**

## Ground-Detecting Module

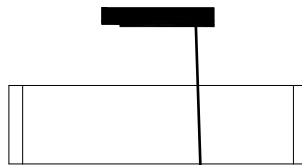
### Product Specifications

SPEC. NO. : SZ22101202  
DATE : 2022/11/7  
REV. : A/1

Approved By:

Checked By:

Prepared By:



**Notes:**

1. All dimensions are in millimeters.
2. Tolerance is  $\pm 0.50\text{mm}$  unless otherwise noted.
3. All dimensions are in millimeters.
4. Specifications are subject to change without notice.

### Features

Pb free product—RoHS compliant

Fast response time

High sensitivity

Invisible wavelength =940nm

Integration structure

The four pins of the connector and the corresponding PCB pads are filled with silicone

### Typical Applications

Intelligent Sweeping Robot

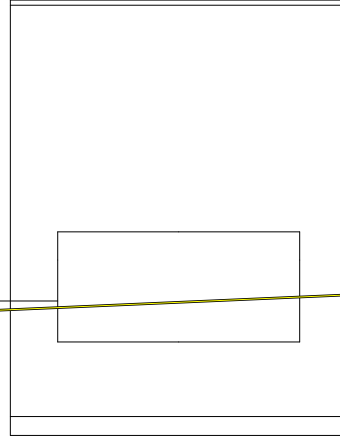
### Absolute Maximum Ratings at Ta=25

Parameter		Symbol	Ratings	Unit
Input	Power Dissipation	Pd	170	mW
	Reverse Voltage	V <sub>R</sub>	5	V
	Forward Current	I <sub>F</sub>	100	mA
	Peak Forward Current <sup>*1</sup>	I <sub>FP</sub>	250	mA
Output	Collector Power Dissipation	Pc	75	mW
	Collector Current	I <sub>C</sub>	20	mA
	Collector-Emitter Voltage	V <sub>CEO</sub>	30	V
	Emitter-Collector Voltage	V <sub>ECO</sub>	5	V
Electrostatic Discharge (HBM)		ESD	4000	V
Operating Temperature Range		T <sub>opr</sub>	-25 to + 65	
Storage Temperature Range		T <sub>stg</sub>	-40 to + 85	



**PACKAGE**

 深圳莱特光电股份有限公司 Light Electronics CO., LTD.		LOT NO. :
TYPE NO. :		
QUANTITY :		
BIN :		
DATE CODE :		
REMARKS :		



**Bag**

Bag volume (pcs / Bag)	Outer Carton volume (Bag / Carton)
30	18