



# **LT-GDM-02**

Ground-Detecting Module Product Specifications

 SPEC. NO.
 :
 SZ21082401

 DATE
 :
 2021/08/24

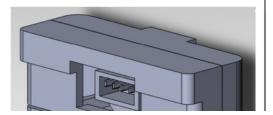
REV.  $\underline{A/0}$ 

Approved By: Checked By: Prepared By:

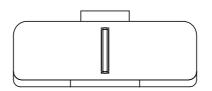
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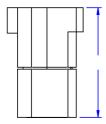


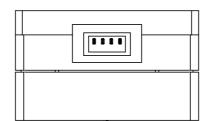
# Dimensions of Module

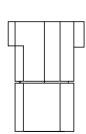












#### **Notes:**

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

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## LIGHT ELECTRONICS CO., LTD.



#### **Features**

Pb free product—RoHS compliant

Fast response time

High sensitivity

Invisible wavelength p=940nm

Integration structure

### **Typical Applications**

**Intelligent Sweeping Robot** 

### **Absolute Maximum Ratings at Ta=25**

	Parameter	Symbol	Ratings	Unit
Input	Power Dissipation	Pd	170	mW
	Reverse Voltage	$V_R$	5	V
	Forward Current	$I_{\mathrm{F}}$	100	mA
	Peak Forward Current*1	$I_{\mathrm{FP}}$	250	mA
Output	Collector Power Dissipation	Pc	75	mW
	Collector Current	$I_{C}$	20	mA
	Collector-Emitter Voltage	$V_{CEO}$	30	V
	Emitter-Collector Voltage	$V_{ECO}$	5	V
Electrostatic Discharge (HBM)		ESD	4000	V
Operating Temperature Range		$T_{\mathrm{opr}}$	-25 to 6565	

Storage Temperature Range

 $T_{stg} \\$ 

