

LT-GDM-02-G3

Ground-Detecting Module

Product Specifications

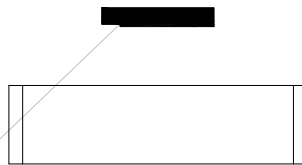
SPEC. NO. : SZ22101202
DATE : 2022/11/7
REV. : A/1

Approved By:

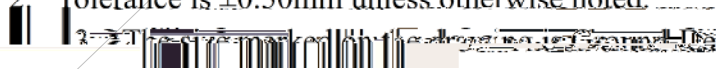
Checked By:

Prepared By:

PHOTOGRAPH OF PRODUCT



Notes:

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

Features

Pb free product—RoHS compliant

Fast response time

High sensitivity

Invisible wavelength $\lambda=940\text{nm}$

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 $T_a=25$

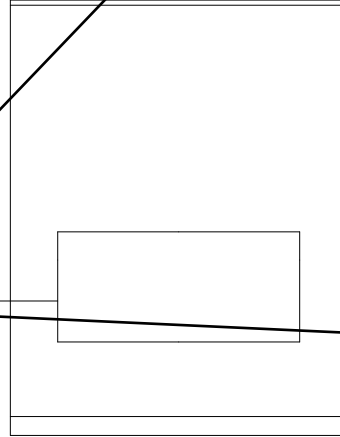
Parameter		Symbol	Ratings	Unit
Input	Power Dissipation	P_d	170	mW
	Reverse Voltage	V_R	5	V
	Forward Current	I_F	100	mA
	Peak Forward Current ^{*1}	I_{FP}	250	mA
Output	Collector Power Dissipation	P_c	75	mW
	Collector Current	I_C	20	mA
	Collector-Emitter Voltage	V_{CEO}	30	V
	Emitter-Collector Voltage	V_{ECO}	5	V
Electrostatic Discharge (HBM)		ESD	4000	V
Operating Temperature Range		T_{opr}	-25 to + 65	
Storage Temperature Range		T_{stg}	-40 to + 85	

Note: 1. Pulse width 0.1msec, duty cycle 1/2



PACKAGE

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



Bag

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