

LT-GDM-02

Ground-Detecting Module

Product Specifications

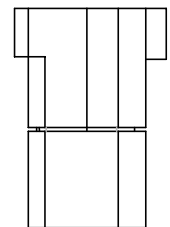
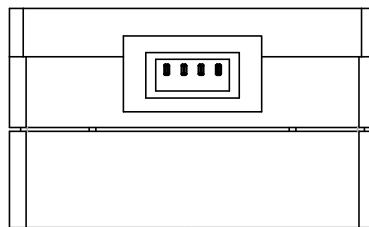
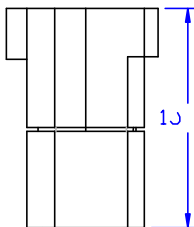
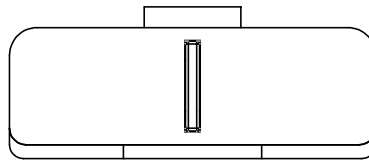
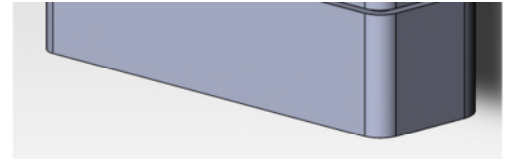
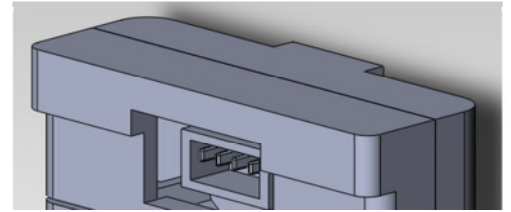
SPEC. NO. : SZ21082401
DATE : 2021/08/24
REV. : A/0

Approved By:

Checked By:

Prepared By:

Dimensions of Module



Notes:

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

Features

Pb free product—RoHS compliant

Fast response time

High sensitivity

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

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 _F	100	mA
	Peak Forward Current ^{*1}	I _{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 _{opr}	-25 to + 65	
Storage Temperature Range		T _{stg}		

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

