LIGHT

LT-GDM-02-S

Ground-Detecting Module

Product Specifications

SPEC. NO. : SZ22080201
DATE : 2022/08/02
REV. : A/0

Approved By: Checked By: Prepared By:

Features

- Pb free product—RoHS compliant
- Fast response time
- High sensitivity
- Invisible wavelength λp=940nm
- Integration structure
- The four pins of the connector and the corresponding PCB pads are painted with tri-proof paint

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}	-40℃ to + 85℃	℃

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