



# Ground-Detecting Module Product Specifications

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

Approved By:

Checked By:

Prepared By:

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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

Intelligent Sweeping Robot

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	



LIGHT

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