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|---------|-----------------|-------------|------------|
| Product | Transistor | Grade | Automotive |
| Package | MPT3 | JEDEC Code | SOT-89 |
| Type | 2SCR642PHZGT100 | Sample Size | 30pcs |

1. CHARGED DEVICE MODEL (CDM) / デバイス帯電モデル静電破壊試験

Table1 Charged device model ESD test results for each testing standards
各規格におけるデバイス帯電モデル静電破壊試験結果

| STANDARD | TEST TYPE | CLASS |
|---------------------------|-------------------------|-------|
| JEDEC JESD22-C101F | FI-CDM | C3 |
| JEITA ED-4701/302 | FI-CDM (Condition:A) | IV |
| AEC AEC-Q101-005 Rev-A | FI-CDM | C5 |

2. HUMAN BODY MODEL (HBM) / 人体モデル静電破壊試験

Table3 Human body model ESD test results for each testing standards
各規格における人体モデル静電破壊試験結果

| STANDARD | TEST TYPE | CLASS |
|---------------------------|------------------------------------|-------|
| JEDEC JESD22-A114F | Human body model (Contact mode) | 3A |
| JEITA ED-4701/302 | Human body model (Contact mode) | 2 |
| AEC AEC-Q101-001 Rev-A | Human body model (Contact mode) | H3A |

3. NOTICE / 注意事項

This product is electrostatic sensitive product, which may be damaged due to electrostatic discharge. Proper handling in the manufacturing process and storage conditions are required to prevent voltage exceeding the product maximum rating to be applied to the products. Electro-static protection are preferred; grounding human body and equipment, isolation from charged objects, ionizer, friction prevention, temperature and humidity control, etc..

本製品は静電気に対して敏感な製品であり、静電気放電等により破壊することがあります。取り扱い時や工程での実装時、保管時において静電気対策を実施のうえ、絶対最大定格以上の過電圧等が印加されないようにご使用ください。特に乾燥した環境では静電気が発生しやすくなるため、十分な静電気対策を実施ください。(人体及び設備のアース、帯電物からの隔離、イオナイザの設置、摩擦防止、温湿度管理、はんだごてのこて先のアース等)

Notes

- 1) The information contained herein is subject to change without notice.
- 2) Before you use our Products, please contact our sales representative and verify the latest specifications :
- 3) Although ROHM is continuously working to improve product reliability and quality, semiconductors can break down and malfunction due to various factors.
Therefore, in order to prevent personal injury or fire arising from failure, please take safety measures such as complying with the derating characteristics, implementing redundant and fire prevention designs, and utilizing backups and fail-safe procedures. ROHM shall have no responsibility for any damages arising out of the use of our Products beyond the rating specified by ROHM.
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- 5) The technical information specified herein is intended only to show the typical functions of and examples of application circuits for the Products. ROHM does not grant you, explicitly or implicitly, any license to use or exercise intellectual property or other rights held by ROHM or any other parties. ROHM shall have no responsibility whatsoever for any dispute arising out of the use of such technical information.
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- 7) The Products specified in this document are not designed to be radiation tolerant.
- 8) For use of our Products in applications requiring a high degree of reliability (as exemplified below), please contact and consult with a ROHM representative : transportation equipment (i.e. cars, ships, trains), primary communication equipment, traffic lights, fire/crime prevention, safety equipment, medical systems, servers, solar cells, and power transmission systems.
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