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|---------|------------------------------|------------|------------|
| Product | Transient voltage suppressor | Grade | Automotive |
| Package | SSD3 | JEDEC Code | SOT-23 |
| Type | MMBZ5V6ALFHT116 | | |

1. CHARGED DEVICE MODEL (CDM)

Table1 CHARGED DEVICE MODEL ESD IMMUNITY FOR EACH TESTING STANDARDS

| STANDARD | TEST TYPE | TEST LEVEL | CLASS |
|----------------------|-------------------------|------------|-------|
| JEDEC JESD22-C101 | FI-CDM | 1000V | C3 |
| JEITA ED-4701/302 | FI-CDM (Condition:A) | 1000V | IV |
| AEC AEC-Q101-005 | FI-CDM | 1000V | C5 |

2. HUMAN BODY MODEL (HBM)

Table2 HUMAN BODY MODEL ESD IMMUNITY FOR EACH TESTING STANDARDS

| STANDARD | TEST TYPE | TEST CONDITION | CLASS |
|-----------------------|--|---------------------|-------|
| JEDEC JESD22-A114 | Human body model (Contact mode) | C=100pF, R=1.5kΩ | 3B |
| MIL STD-883/3015.7 | Human body model (Contact mode) | C=100pF, R=1.5kΩ | 3 |
| JEITA ED-4701/302 | Human body model (Contact mode) | C=100pF, R=1.5kΩ | 2 |
| IEC IEC61000-4-2 | Human body model (Contact/Air mode) | C=150pF, R=330Ω | 4 |

3. NOTICE

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. Caution especially required in dry environment (e.g. Grounding of human body / equipment / solder iron, isolation from charged objects, setting of Ionizer, friction prevention and temperature / humidity control).

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.
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