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| Product | Transistor | Grade | Normal |
| Package | UMT6 | JEDEC Code | SOT-363 |
| Type | UMD9N | | |

1. CHARGED DEVICE MODEL (CDM)

Table1 CHARGED DEVICE MODEL ESD IMMUNITY FOR EACH TESTING STANDARDS (Tr1/NPN)

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

Table2 CHARGED DEVICE MODEL ESD IMMUNITY FOR EACH TESTING STANDARDS (Tr2/PNP)

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

2. HUMAN BODY MODEL (HBM)

Table3 HUMAN BODY MODEL ESD IMMUNITY FOR EACH TESTING STANDARDS (Tr1/NPN)

| STANDARD | TEST TYPE | TEST CONDITION | TEST LEVEL | RESULT |
|----------------------|------------------------------------|---------------------|------------|--------|
| JEDEC JESD22-A114 | Human body model (Contact mode) | C=100pF, R=1.5kΩ | 500V | PASS |
| JEITA ED-4701/302 | Human body model (Contact mode) | C=100pF, R=1.5kΩ | 500V | PASS |

Table4 HUMAN BODY MODEL ESD IMMUNITY FOR EACH TESTING STANDARDS (Tr2/PNP)

| STANDARD | TEST TYPE | TEST CONDITION | TEST LEVEL | RESULT |
|----------------------|------------------------------------|---------------------|------------|--------|
| JEDEC JESD22-A114 | Human body model (Contact mode) | C=100pF, R=1.5kΩ | 500V | PASS |
| JEITA ED-4701/302 | Human body model (Contact mode) | C=100pF, R=1.5kΩ | 500V | PASS |

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

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