

Product	Transistor	Grade	Normal
Package	UMT6	JEDEC Code	SOT-363
Type	UMF28N		

## 1. CHARGED DEVICE MODEL (CDM)

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

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

## 2. HUMAN BODY MODEL (HBM)

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

STANDARD	TEST TYPE	TEST CONDITION	TEST LEVEL	RESULT
JEDEC JESD22-A114	Human body model (Contact mode)	C=100pF, R=1.5kΩ	2000V	PASS
JEITA ED-4701/302	Human body model (Contact mode)	C=100pF, R=1.5kΩ	2000V	PASS

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

## 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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- 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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