

# **ELECTRICAL STATIC DISCHARGE IMMUNITY**

Product	Zener diode	Grade	Automotive
Package	UMD4	JEDEC Code	SOT-343
Туре	UMZ5.6KFHTL		

# 1. CHARGED DEVICE MODEL (CDM)

### Table1 CHARGED DEVICE MODEL ESD IMMUNITY FOR EACH TESTING STANDARDS

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

# 2. HUMAN BODY MODEL (HBM)

#### Table2 HUMAN BODY MODEL ESD IMMUNITY FOR EACH TESTING STANDARDS

STANDARD	TEST TYPE	TEST CONDITION	TEST LEVEL	RESULT			
JEDEC JESD22-A114	Human body model (Contact mode)	C=100pF, R=1.5kΩ	2kV	PASS			
JEITA ED-4701/302	Human body model (Contact mode)	C=100pF, R=1.5kΩ	2kV	PASS			
AEC AEC-Q101-001	Human body model (Contact mode)	C=100pF, R=1.5kΩ	2kV	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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