

Electrostatic Discharge Simulator (HBM/MM)

EDS 10IC



As per

- > **Human Body Model (HBM)**
- > *ANSI /ESD-STM5.1 2007*
- > *JEDEC JESD22- A114E Jan.2007*
- > *MIL-STD-883G 28 Feb.2006*
- > *ANSI/JEDEC JS-001-2010*
- > **Machine Model (MM)**
- > *ESDA ANSI/ ESD STM5.2 2009*
- > *JEDEC JESD22- A115C Nov.2010*

Summary

EDS 10IC is specially designed for HBM and MM ESD immunity test requirements, applicable to semiconductor devices like LED, transistors, IC, etc, as per IEC, ESDA, JEDEC, MIL, etc. At the same time, fully comply with the severest ESD voltage levels in the standards above.

Features

- > Fully new third generation control platform and touch screen intelligent operation
- > Automatic identify RC modules and adjust the maximum voltage
- > The lowest voltage 5V and 1V step for precise adjusting voltage
- > Available for single or automatic discharge tests and setting times, frequency, etc



Application

- > Communication
- > Material
- > Semi-conductor device
- > Electrical and electronic devices

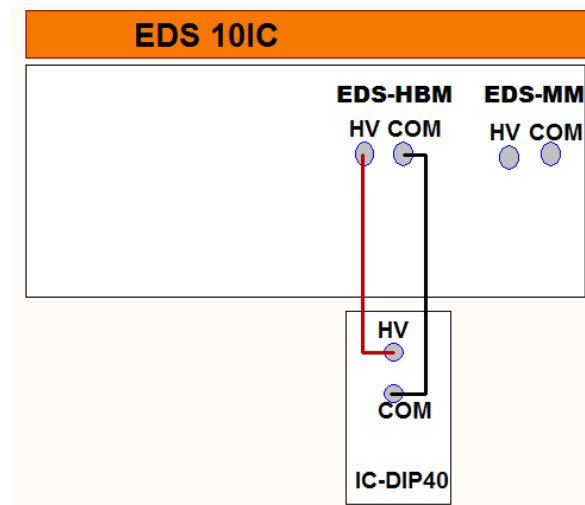
Technical parameters	
HBM short-circuit current parameters	
Discharge capacitor	100pF
Discharge resistance	1500Ω
Peak current Ips	0.17A±10% @250V 0.33A±10% @500V 0.67A±10% @1000V 1.33A±10% @2000V 2.67A±10% @4000V
Rise time	2~10ns
Pulse width	150 ± 20ns
Ringing amplitude	<15% peak current
HBM 500ohm resistor current parameters	
Peak current Ipr	375~550mA @ 1000V 1.5~2.2A @ 4000V
Ipr/Ips	>= 63%
Rise time	5~25ns
MM short-circuit current parameters	
Discharge capacitor	200pF
Discharge resistance	0Ω
Peak current Ip1	0.44A±20% @25V 0.88A±20% @50V 1.75A±10% @100V 3.5A±10% @200V 7.0A±10% @400V
Ip2/Ip1	67%~90%
Cycle	66~90ns
MM 500 ohm resistor current parameters	
Peak current Ipr	0.85~1.2A @ 400V
100ns current value I100	0.23~0.40A @ 400V
I200/I100	30%~55%

General parameters	
Output voltage	HBM 5~8000V 5%±5V MM 5~1000V 5%±5V
Polarity	+/-/alternate
Time interval	0.1-10s adjustable
Trigger times	1~999
Trigger mode	Automatic, single or external trigger
Input power supply	AC100 ~ 240V +/-10% 50/60Hz
Working temperature	15°C~35°C
Storage temperature	-10°C~50°C
Working humidity	25~75%RH
Size	450x190x320mm
Weight	10kg

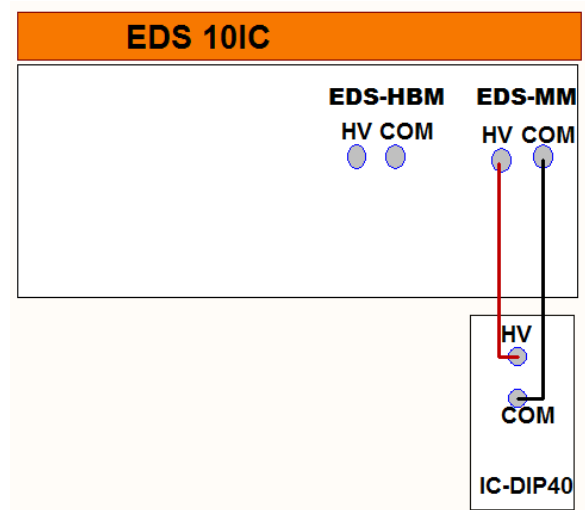
Standard equipped
Simulator, User manual, Inspection report, Warranty, Test cables, Power cords and Grounding wires

Accessories	
1.Test socket IC-DIP40 	For placing IC
2.Test wires EDS 10IC-line1/line2 	For test connections

Test connection diagram 1 EDS-HBM:



Test connection diagram 2 EDS-MM:



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