

Electrostatic Discharge Test Platform for Spacecraft EDS 20H-ST



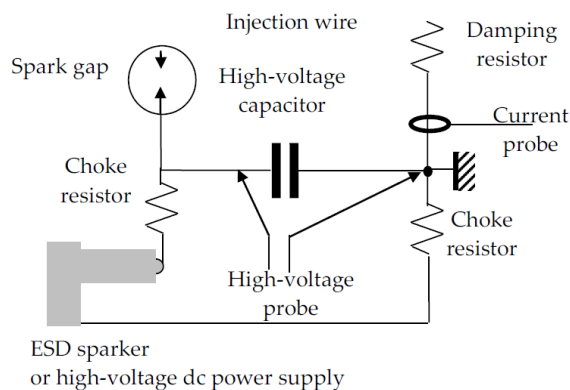
In compliance with

> ECSS-E-ST-20-07C

Introduction

The interaction between spacecraft and space environment will charge the surface of spacecraft to several thousand volts, which may lead to sudden electrostatic discharge and the danger of electronic system failure. Testing the ESD sensitivity of space equipment is an important part of EMC test program. The generator test device is used to test the ESD sensitivity of space equipment.

Schematic Diagram



Application Areas

> Aviation

Technical Parameters	
Breakdown voltage of spark gap	6 kV \pm 30%
Peak current	30 A \pm 20%
Pulse width	30 ns \pm 20%
Polarity	Positive , Negative
RC mode identify	Automatic identification and LCD display
Temperature and humidity	Built-in thermometer, recording and protection functions
Repetition frequency	Single/0.5 Hz/1 Hz/2 Hz
Trigger mode	Automatic/Manual
Count	1 ~ 9999
RC parameters	50 pF/47 ohm
Standard	ECSS-E-ST-20-07C

General Parameters	
Dimension	320×220×100 mm
Weight	Approx. 5 kg
Ambient Temperature	15 °C ~ 35 °C
Relative humidity	30 % ~ 60 %
Atmospheric pressure	86 kPa ~ 106 kPa
Operation mode: As an accessory, it is used in conjunction with EDS 20H or EDS 16H.	

Standard Accessories
Test lines; Report; User manual;



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