

ANSI/ESD STM11.13-2021

ESD Association Standard Test Method

ANSI/ESD STM11.13-2021

Revision of ANSI/ESD STM11.13-2018



*For the Protection of Electrostatic
Discharge Susceptible Items*

Two-Point Resistance Measurement

*Electrostatic Discharge Association
218 West Court Street
Rome, NY 13440*

*An American National Standard
Approved October 28, 2021*

***ESD Association Standard Test Method for
the Protection of Electrostatic Discharge
Susceptible Items
Two-Point Resistance Measurement***

Approved July 7, 2021
EOS/ESD Association, Inc.



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FOREWORD

This standard test method¹ has been developed to establish the instrumentation and procedure for measuring resistance where the concentric ring electrodes of ANSI/ESD STM11.11 cannot be used. This method measures the resistance between two points on a material's surface without considering the material's means of achieving conductivity. Constant voltage instrumentation was used to collect the data used to validate this standard test method. Other instrumentation using an open circuit rated voltage supply is represented in this document as guidance.

This standard test method was originally designated ANSI/ESD STM11.13-2004 and approved on September 19, 2004. ANSI/ESD STM11.13-2015 was a revision of ANSI/ESD STM11.13-2004 and was approved on February 10, 2015. ANSI/ESD STM11.13-2018 was a limited revision of ANSI/ESD STM11.13-2015 and was approved on November 8, 2017. ANSI/ESD STM11.13-2021 is a revision of ANSI/ESD STM11.13-2018 and was approved on July 7, 2021.

¹ **ESD Association Standard Test Method (STM):** A definitive procedure for the identification, measurement and evaluation of one or more qualities, characteristics or properties of a material, product, system or process that yield a **reproducible test** result.

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