

A4003 ESD Current Target and Adapter Line Set



1. Description

A4003 ESD Current Target and Adapter Line (or 50 Ω conical adapter line) calibration kit is the complete all-in-one verification measurement setup to check the frequency response of ESD current target up to 4GHz, check the frequency response ESD Target Adapter Line up to 4GHz and check the ESD Simulator calibration waveform according to standards IEC/EN 61000-4-2 or ISO10605.

2. Features

- Complete all-in-one calibration kit for ESD simulator, ESD current target and ESD target Adapter Line up to 30kV & 4 GHz bandwidth
- Meets EN/IEC61000-4-2-2009 and ISO10605-2008 ESD test standards

3. Applications

- Calibration kit for ESD simulators per IEC61000-4-2
- Calibration kit for ESD current targets per IEC61000-4-2
- Calibration kit for ESD target adapter line per IEC61000-4-2

4. Specifications

A4001 ESD Current Target- Attenuator-Cable Chain	
Surface Finish	Gold Plated, never oxidized or rust
Measurement Bandwidth	DC – 4 GHz < ± 0.5 dB up to 1GHz, < ± 1.2 dB up to 4GHz
Input Resistance	2.08 Ohm (±1%) (2.00 Ohm when match with 50 Ohm load)
Max. IEC Pulse Amplitude	Test up to ± 30kV
Voltage Non-linearity	<2% up to 20kV, < 5% up to ± 30kV
Coaxial Cable Type	RG400, Double Shielded
Coaxial Cable Length	0.8m
Coaxial Cable Connector	SMA – N Type
Transfer Impedance	5A/V with default 20dB attenuator
A4002 ESD Current Target Adapter Line	
Surface Finish	Brushed Stainless Steel
Measurement Bandwidth	DC – 4 GHz
Insertion Loss	< 0.3dB up to 4GHz
Reflection Coefficient	< -30dB up to 1GHz, < -20dB up to 4GHz
Warranty	1 year (Extendable)

Standard Configuration

Part Number	Description
A4001-N	ESD Current Target with N connector
AT2WN-20	N type Attenuator, DC – 18 GHz, 2W, 20dB
AT2WN-30	N type Attenuator, DC – 18 GHz, 2W, 30dB
RG4-NS-8	RG400 Coaxial Cable, N-SMA Connectors, 0.8 meter
A4001-SMA2BNC	High Precision SMA-BNC Adapter
A4001-CAL	NIST Traceable Factory Calibration Report for A4001-Kit
A4002-N	Stainless Steel 50 Ohm ESD Current Target Adapter Line with N type Connector
A4002-CAL	NIST Traceable Factory Calibration Report for A4002
A4003-SC	A4003 ESD Current Target/Adapter Line Set Storage and Protection Case

5. Ordering Information

Part Number	Description	Lead Time
A4003	ESD Current Target and Adapter Line Set	1-3 weeks

You may order optional accessories may be ordered with model A4001 and A4002.