

MODEL NUMBER: **ESD Current Target Calibration Kit**  
**CST1** DC - 4 GHz, 30 kV

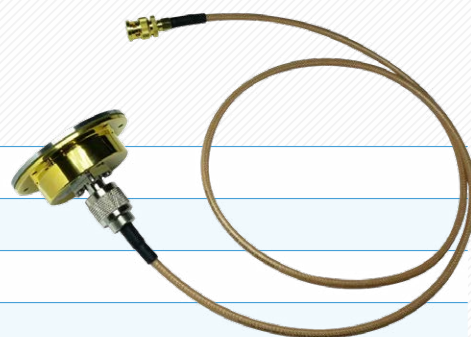


#### DESCRIPTION:

Model CST1 ESD Current Target Calibration Kit is a wideband ESD Target for ESD simulator calibration in accordance to ANSI C63 + MIL. The wideband attenuator provides return loss while the cable is used as the connection to the oscilloscope. The frequency response specifications are taken with the complete assembly.

#### APPLICATIONS:

- Wideband up to 4 GHz
- 0.5 A/V transfer impedance,  $\pm 1\%$  with a 20 dB attenuator, 5 A/V
- Gold plated surface finish
- Excellent voltage linearity up to 30 kV



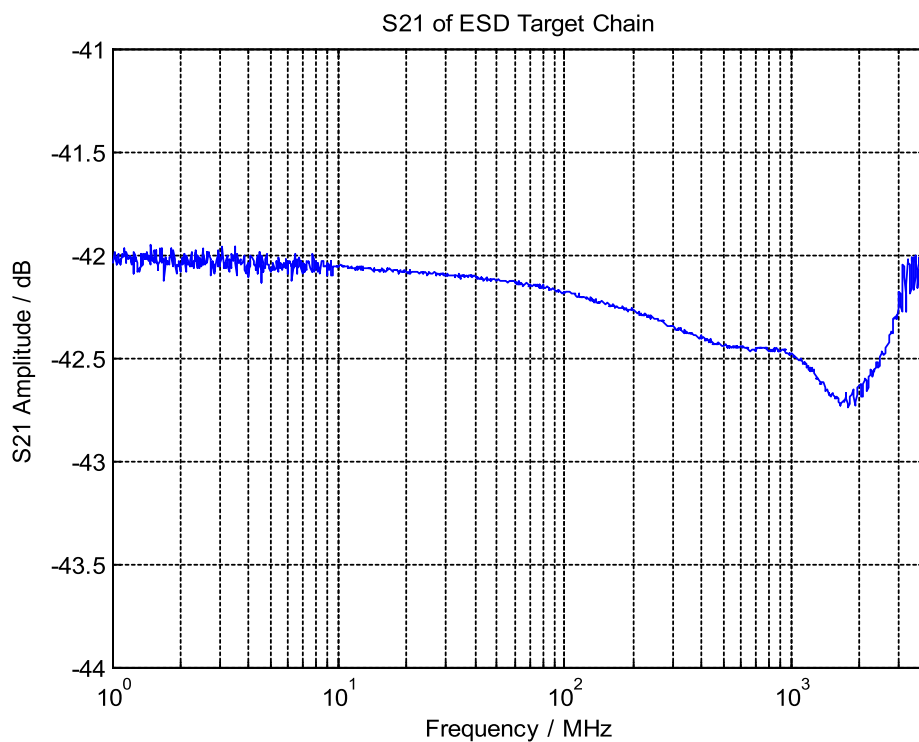
#### APPLICATIONS:

- Calibration kit for ESD simulators
- General wideband ESD current waveform measurement

#### SPECIFICATIONS:

Frequency response	DC – 4 GHz S21 $< \pm 0.5$ dB up to 1 GHz, $< \pm 1.2$ dB up to 4 GHz
Input resistance	1.00 Ohm - $\pm 1\%$ 1.00 Ohm when match with 50 Ohm load
Max. IEC Pulse Amplitude	Verified up to $\pm 30$ kV
Voltage Non-linearity	$< 2\%$ up to 20 kV, $< 5\%$ up to $\pm 30$ kV
Dimensions	O.D. 2.7 x I.D. 1.97 x H 1.1 inches
Weight	1.1 pound
Warranty	1 year (Extendable)

**Figure 1 Target Attenuator Cable Chain S21 Measurement with 20 dB Attenuator**



**Figure 2 Target Attenuator Cable Chain Transfer Impedance with 20 dB Attenuator**

