

SESD 8800-4, 8800-4_S

ESD Verification Set (4 GHz)

IEC / EN 61000-4-2, ISO 10605

- Attenuator:
 - SESD 8800-4:** 20 dB (max. 16 kV)
 - SESD 8800-4_S:** 30 dB (max. 30 kV)
- Accredited Calibration Certificate (PTB)



Available in two versions
Attenuator: 20 and 30 dB

Overview

The measurements of the single pulses are carried out with a special 2 ohm shunt. To properly verify the ESD pulses, an oscilloscope is required with a minimum bandwidth of

- 2 GHz according to IEC 61000-4-2 and
- 1 GHz according to ISO 10605

The ESD Verification Set SESD 8800-4 is rated up to 4 GHz and thus meets the requirements of twice the bandwidth in terms of the measurement bandwidth.

Technical data

Verification set	
Structure	IEC 61000-4-2; ISO 10605
Measurement resistor 2 Ohm target	1,96 Ohm +/- 2,5 % with connected attenuator
Attenuator	SESD 8800-4: 20 dB SESD 8800-4_S: 30 dB
Max. discharge voltage of the ESD generator	30 kV
Min. ESD discharge resistance	330 Ohm

Verification set	
Max. ESD dis- charge capacitor	500 pF
Test lead	Low loss cable 1 m with BNC- connector (oscilloscope side) and N-connector.
Insertion loss deviation	+/- 0,5 dB until 1 GHz +/- 1,2 dB between 1 and 4 GHz
Pulse voltage	16 kV max. (20 dB Version) 30 kV max. (30 dB Version)
Weight	550 g

Scope of delivery

- 2 Ohm ESD-target (4 GHz)
- Attenuator
- Koax cable 1 m
- Accredited Calibration Certificate with the S-parameters in the frequency range up to 4 GHz

All information regarding appearance and technical data correspond to the current state of development at the time of release of this data sheet. Errors and technical changes excepted. 032602

