

## Product Datasheet - Technical Specifications



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# ESD-Target

## 1 Introduction

The TBESDT1 ESD-Target is a current sensing transducer to verify ESD-Simulators. It is used to take measurements compliant with IEC 61000-4-2 up to 4 GHz.



Picture 1: TBESDT1 ESD-Target

## 2 Specification

|                        |   |
|------------------------|---|
| Compliance:            | IEC 61000-4-2   |
| Resistance:            | 2.08 $\Omega \pm 1\%$   |
| Transfer impedance:    | 2 V/A   |
| Frequency range:       | 0.2 V/A with 20 dB attenuator<br>DC – 4 GHz<br>< $\pm 0.5$ dB up to 1 GHz<br>< $\pm 1.2$ dB up to 4 GHz   |
| Max. pulse amplitude:  | $\pm 30$ kV   |
| Deliverables:          | TBESDT1 ESD-Target<br>20 dB attenuator<br>N-Male to SMA-Male coaxial cable, 100 cm, RM141<br>SMA-Female to BNC-Male coaxial adapter<br>Aluminium carrying case<br>Factory calibration certificate, NIST traceable |
| ESD-Target weight:     | 0,5 kg  |
| ESD-Target dimensions: | D70 mm x H40 mm   |
| Case weight:           | 2.1 kg  |
| Case dimensions:       | 340 mm x 260 mm x 110 mm  |

# ESD-Target

## 3 ESD Target Insertion loss

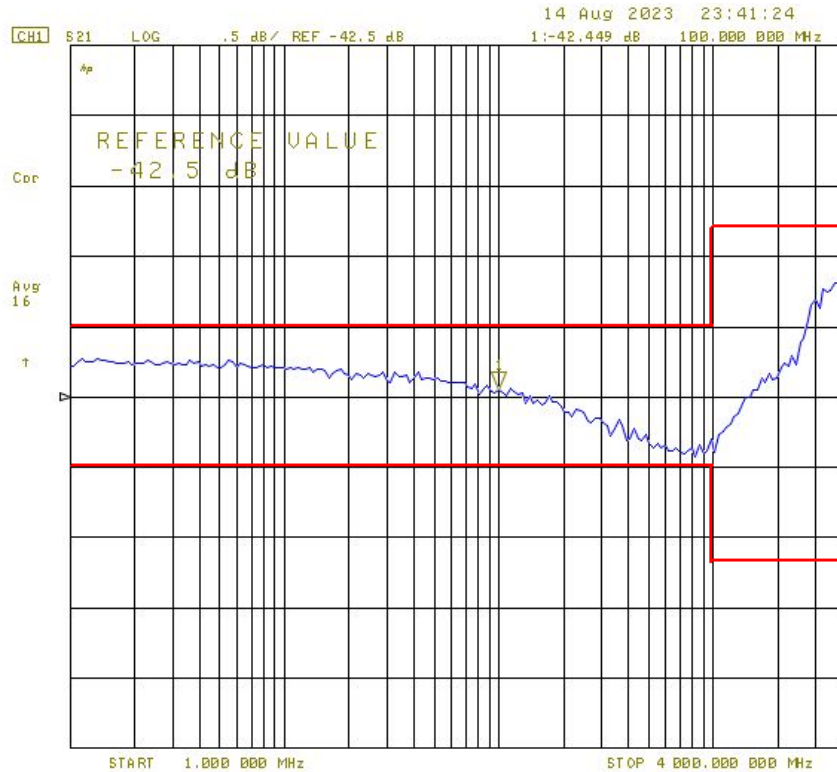


Figure 1: typical insertion loss; TBESDT1 ESD target + 20 dB attenuator + coaxial cable

## 4 Ordering Information

| Part Number | Description   |
|-------------|---|
| TBESDT1     | ESD-Target; 20 dB attenuator; N-M to SMA-M coaxial cable, 100 cm, RM141; SMA-Female to BNC-Male coaxial adapter; Aluminium carrying case, factory calibration certificate |

## 5 History

| Version | Date      | Author     | Changes  |
|---------|-----------|------------|----------|
| V 1.0   | 15.8.2023 | Mayerhofer | Creation |