

## ESD-Target

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### 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
	0.2 V/A with 20 dB attenuator
Frequency range:	DC – 4 GHz
	< $\pm 0.5$ dB up to 1 GHz
	< $\pm 1.2$ dB up to 4 GHz
Max. pulse amplitude:	$\pm 30$ kV
Deliverables:	TBESDT1 ESD-Target
	20 dB attenuator
	N-Male to SMA-Male coaxial cable, 100 cm, RM141
	SMA-Female to BNC-Male coaxial adapter
	Aluminium carrying case
	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

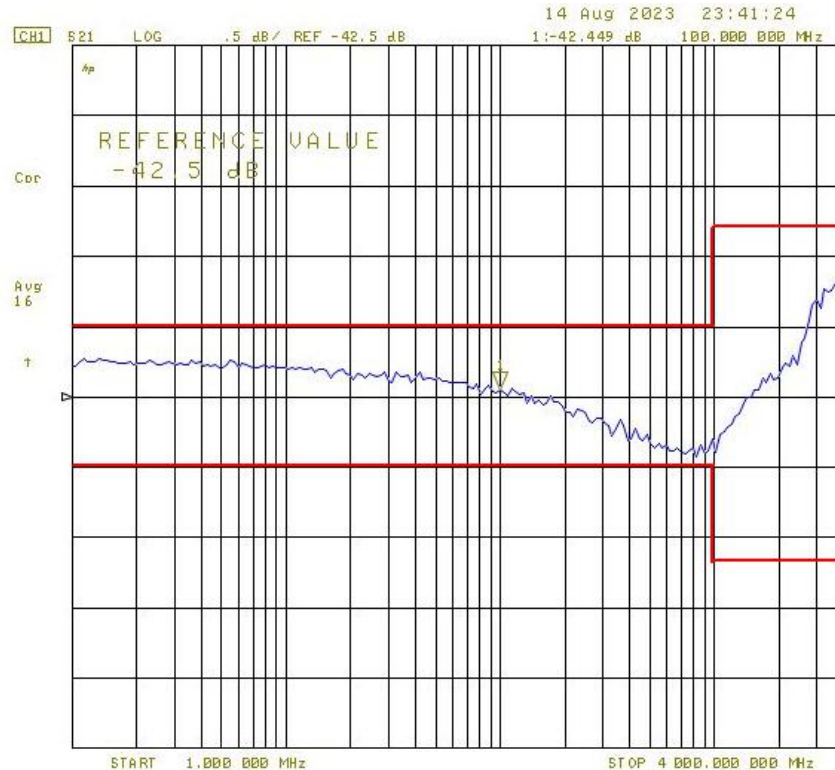


Figure 1: typical insertion loss; TBESDT1 ESD target + 20 dB attenuator + coaxial cable

### 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

TekBox Digital Solutions Vietnam Pte. Ltd.

www.tekbox.com

Factory 4, F4, Lot I-3B-1, Saigon Hi-Tech Park, Tan Phu Ward, District 9, Ho Chi Minh City, Vietnam

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