

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
	0.2 V/A with 20 dB attenuator
Frequency range:	DC – 4 GHz
	< ± 0.5 dB up to 1 GHz
	< ± 1.2 dB up to 4 GHz
Max. pulse amplitude:	± 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

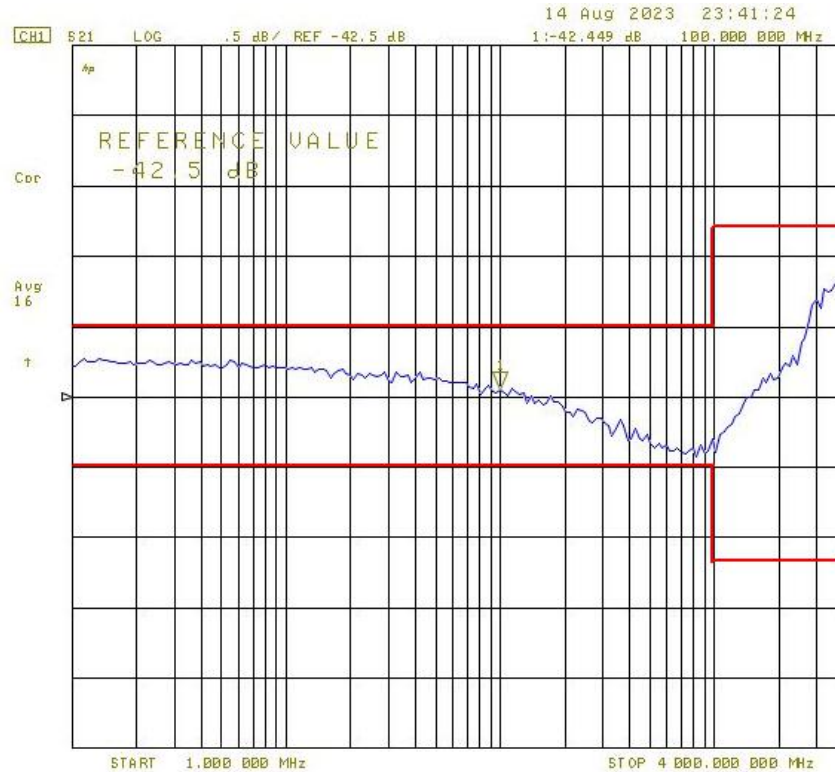


Figure 1: typical insertion loss; TBESDT1 ESD target + 20 dB attenuator + coaxial cable

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

