

EM-Clamp Calibration Fixture

1 Introduction

The TBEMCL1-CAL is an EM-clamp calibration fixture built in accordance with the corresponding specification in the standard IEC/EN 61000-4-6, Annex A. It is used to calibrate the coupling and decoupling factors and the input impedance of EM-clamps. Furthermore, it is used to set immunity test levels according to IEC/EN 61000-4-6.



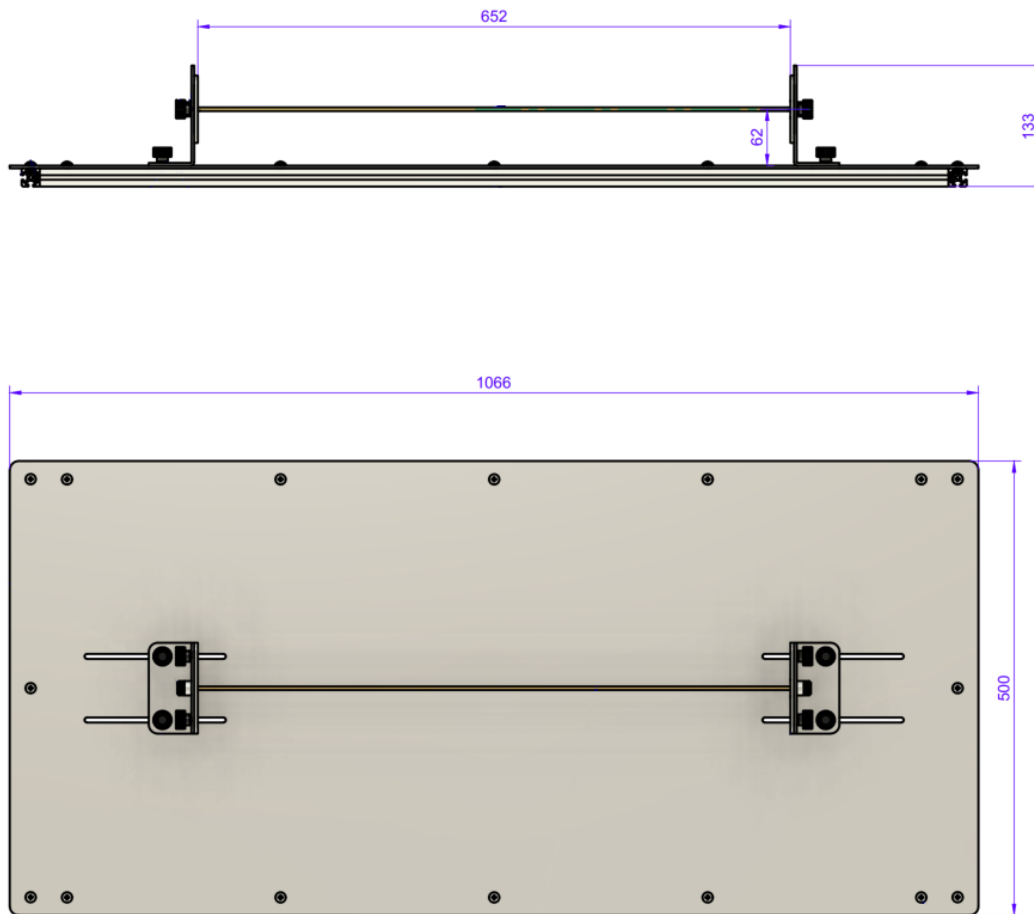
Picture 1: TBEMCL1-CAL Calibration Fixture

2 Specification

Compliance:	IEC/EN 61000-4-6, Annex A
Nominal frequency range:	150 kHz – 80 MHz
Usable frequency range:	10 kHz – 1 GHz
Nominal impedance:	248 Ω
Impedance range:	~ 230 Ω – 260 Ω
RF connectors:	N-Female
Center conductor height:	adjustable, ~ 47 mm – 75 mm
Center conductor material:	Ø 4 mm, brass, nickel gold plated
Spacing between brackets:	652 mm
Ground plane dimensions:	1066 x 500 mm
Panel material:	Aluminium 6061
Weight:	6.5 kg

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3 Drawing



4 Ordering Information

Part Number	Description
TBEMCL1-CAL	EM-Clamp Calibration Fixture

5 History

Version	Date	Author	Changes
V 1.0	12.11.2025	Mayerhofer	Creation