

EFT/B Calibration Kit

EFT-CA-KIT(SHV)



- IEC/EN 61000-4-4
- ISO 7637-2
- GB/T 17626.4

Features

- > Average power 5 W, capable of stably handling rated power signals
- > Voltage ratios 500:1 / 1000:1, user-selectable according to application requirements
- > High reliability and excellent repeatability ensure consistent, accurate calibration results
- > Maximum bandwidth 400 MHz, designed for calibration of burst pulse signals over a wide frequency range

Introduction

The TFB 500(SHV) and TFB 1000(SHV) EFT/B calibration kits comply with EN/IEC 61000-4-4. Primarily used for immunity testing in the industrial EMC sector, they perform periodic verification of test systems such as EFT/B generators and immunity testers. This ensures that the generators produce correct waveforms, maintaining reliable performance and high measurement accuracy.

The TFB 500(SHV) and TFB 1000(SHV) feature 50 Ω and 1000 Ω termination loads respectively, with a bandwidth of 400 MHz. Through impedance matching, the EFT/B calibration kits divide and attenuate HV signals, scaling down waveform amplitudes to levels measurable by oscilloscopes. They are also compatible with all EFT/burst generators.

Application Areas



Technical Parameters

Nominal Attenuation	TFB 500(SHV)	54 dB
	TFB 1000(SHV)	60 dB
Nominal Voltage Transformation Ratio	TFB 500(SHV)	500:1
	TFB 1000(SHV)	1,000:1
Impedance	TFB 500(SHV)	Input: 50 Ω ; output: 50 Ω
	TFB 1000(SHV)	Input: 1,000 Ω ; output: 50 Ω
Max. Pulse Voltage	TFB 500(SHV)	4.4 kV
	TFB 1000(SHV)	8.8 kV
± 3 dB Bandwidth	>400 MHz	
Input Port	SHV-Female	
Output Port	BNC-Female	
HV RF Connector	SHV-BNC-JJ	
BNC to Banana Plug Adapter	BNC(K)-2BP(J)	
RF Cable	BNC/J-142-PNR-1000 mm	

General Parameters

Dimension	250 (W)*77 (H)*203 (D) mm
Weight	Approx. 778 g
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Attenuator, HV RF Connector, BNC to Banana Plug Adapter, RF Cable, User Manual

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