



# EFT Verification Set

EFT/Burst generators are verified according to the standard IEC/EN 61000-4-4 Edition 2. Measurements of individual impulse parameters are performed using a termination to match the EFT/Burst generator output impedance (50Ω) and a voltage divider to reduce the impulse level so it can be displayed on commercial oscilloscopes. The 50Ω attenuator, EFT 50 is to match the new amendment 2 and edition 2 requirements. An oscilloscope with minimum 400MHz band-width is required to properly display the EFT impulse.



The EFT attenuator series has been developed in response to the IEC 61000-4-4, the verification requirement to also include impulse measurement using a 1kΩload.

## ■ EFT/Burst Verification Set-up

To verify an EFT/Burst generator proceed as below:

1. connect the attenuator input directly to the EFT / Burst generator High Voltage output.
2. Using 1m cable provided, connect output of the attenuator to a suitable oscilloscope
3. Set the oscilloscope input to 50Ω.

If the EFT/Burst impulse is to be verified at the output of a CDN, a suitable adaptor is required. Both the generator and the oscilloscope must be connected to the ground plane properly.

## ■ Set consisting of part

- EFT 50 50Ωload / attenuator 54dB.
- EFT 1000 1kΩload / attenuator 60dB.
- Coaxial cable 1 meter.
- Test certificate.
- Functional case.

## ■ Technical Specifications

Divider Ratio EFT 50	54dB
Divider Ratio EFT 1000	60dB
Test Load Impedance	50Ω±2%
Test Load Impedance	1KΩ±2% // ≤ 6pF
Net Weight	1 kg
BNC Cable Length	1m
Max. Impulse Voltage	5KV
Input Connection	SHV
Output Connections	50Ω BNC Connector
Dimensions (W x H x D)	260 x 160 x 62mm

## ■ Information of the company

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