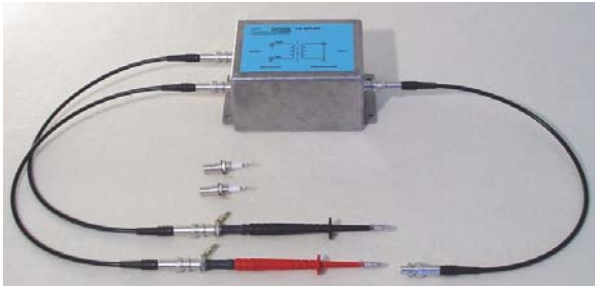


CN-BALUN in accordance with IEEE/ANSI C37.90.1

Revised: 12.December 2010

1 GENERAL INFORMATION

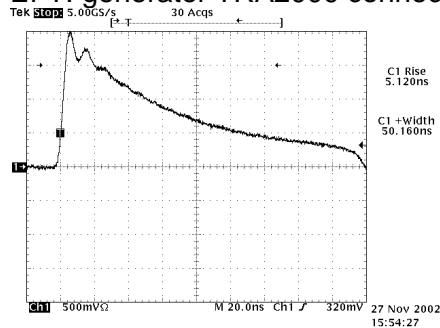
CN-BALUN	Accessory
	<ul style="list-style-type: none"> • Coaxial cable HV-BNC 50 Ohm (3x 0.5m) • Adapter HV-BNC / banana (2x) • MC test tip (1x red, 1x back) • Connector HV-BNC with ring loop (2x) • 1 CN-BALUN box (1 metal box), dimension(l=170, W=100, h=78mm)

1.1 Technical data

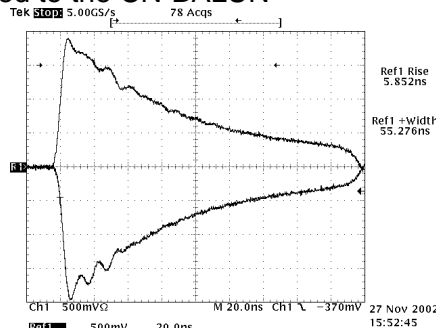
Voltage	EFT	4.4 kV
	Damped Oscillatory Wave	3 kV
Standard	ANSI/IEEE	C37.90
Weight incl. accessories		2 kg

1.2 Measurement results

EFT: generator TRA2000 connected to the CN-BALUN



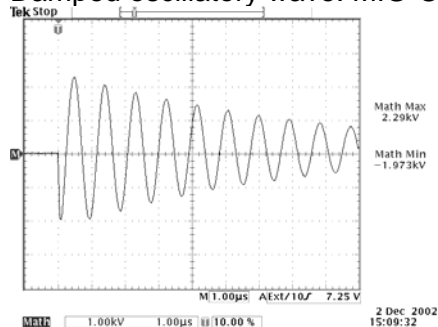
Input CN-BALUN
Sensitivity 1kV/div



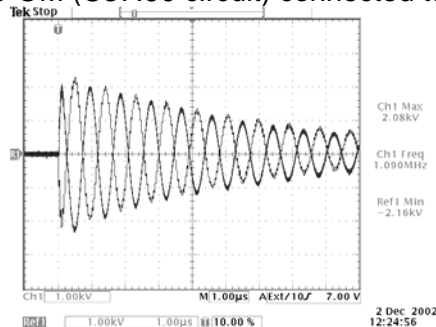
Outputs CN-BALUN.
Sensitivity 1kV/div

Measurement has been made with the 50 Ohm termination and incorporated divider for EFT verification. One output shorted, signal measurement on the other output and vice versa. VER150 Ohm defined in IEC 61000-4-4

Damped oscillatory wave: MIG-OS-OM (C37.90 circuit) connected to the CN-BALUN



Input CN-BALUN
Sensitivity 1kV/div



Outputs CN-BALUN.
Sensitivity 1kV/div

Measurement has been made with two 100:1 voltage probes. One output shorted, signal measurement on the other output and vice versa. Generator source impedance is 150 Ohm. The load of the CN-BALUN is approximate 500 Ohm at 1MHz

For further information see „Verification Protocol“.

1.3 Standard accessory, dimensions

1.3.1 Included articles, dimensions

CN-BALUN (Article No. 103579)

Mechanical Dimensions

Unit Height: B
Length: 0 cm
Width: 0 cm
Height: 0 cm
Net Weight: 2 kg

Included Articles

According to STL-Variante 20, STL-Version 1

Qty	PN	Description
1	104801	Brochure TRANSIENT 3000
1	104802	Standard calibration report
1	103191	Standard accessories pack
1	103194	CD-UM-IN-ALL includes all User Manuals and Instruction sheets of all EMC PARTNER AG sales products.

1.3.2 Standard accessories

Accessories to **CN-BALUN** (Article No. 103579)

According to OP-Variante 1, OP-Version 1

Qty	PN	Description	Weight (kg)	Length (cm)	Width (cm)	Height (cm)
3	103112	Coaxial cable 50 Ohm SHV-BNC-SHV f/f	0	50	0	0
1	103116	MC safety test tip black 1kV, 32A	0	14	0	0
1	103117	MC safety test tip red 1kV, 32A	0	14	0	0
1	103122	Adapter SHV-BNC / Banana	0	0	0	0
1	103133	Adapter SHV-BNC / Banana, black	0	0	0	0
2	103134	HV-BNC connector m. with 1 ring loop	0	0	0	0

2 RECYCLING / DISPOSAL

2.1 RoHS directive 2002/95/EG

The CN-BALUN complies with the directive 2002/95/EG (RoHS - Restriction of certain Hazardous Substances).

From December 2005, all EMC Partner products either hand soldered or by machine are produced using lead-free solder.

2.2 WEEE directive 2002/96/EG

The EMC Partner CN-BALUN is exempted from the directive 2002/96/EG (WEEE) under category 9.

The product should be recycled through a professional organisation with appropriate experience for the disposal and recycling of electronic products. EMC Partner are also available to help with questions relating to the recycling of this product.

2.3 Information for dismantling



Remove always power cord fist.

There is no special danger involved in dismantling the CN-BALUN.

2.4 Parts which can be recycled

The CN-BALUN contains parts made from steel, aluminium, PVC, two-component sealing compound. The impulse capacitors are filled with non-poisonous mineral oil. The various parts can be separated and recycled.

2.5 Parts which can not be recycled

All parts in the CN-BALUN can be recycled.

3 SERVICE INFORMATION

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