

ZN3770A — Four-Line Line Impedance Stabilization Network

PRODUCT DATASHEET | 150 kHz–30 MHz | ZHINAN

4 × 50 A current capacity	AC 400 V / DC 600 V	CISPR 16-1 measurement chains
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1. Product Overview

The ZN3770A is a four-line 50 Ω / 50 μH V-network LISN. It presents a stable impedance to the equipment under test, isolates high-frequency mains noise and couples the conducted disturbance voltage to an EMI receiver.

2. Technical Specifications

Parameter	Specification
Frequency range	150 kHz–30 MHz
Network characteristic	50 Ω / 50 μH V-network
Impedance tolerance	±20%
Phase tolerance	±11.5°
Isolation	≥40 dB
Working current	4 × 50 A
Working voltage	400 V AC / 50 Hz; 600 V DC
RF output	BNC, 50 Ω
Dimensions	410 × 210 × 500 mm
Weight	17.5 kg

3. Typical Applications

- Three-phase, four-line conducted-emissions measurements
- Single-phase conducted-emissions measurements
- CISPR 16-1 measurement chains

4. Standard Package

Item	Quantity / description
ZN3770A main unit	1
N-to-N test cable	1
Technical documentation	1 set
Certificate of conformity	1

5. Voltage Division Factor

Frequency (MHz)	N (dB)	Frequency (MHz)	N (dB)
0.15	-0.31	1.20	-0.10
0.17	-0.30	1.50	-0.10
0.20	-0.25	2.00	-0.12
0.25	-0.20	2.50	-0.13
0.30	-0.14	3.00	-0.13
0.35	-0.13	4.00	-0.20
0.40	-0.11	5.00	-0.22
0.50	-0.10	7.00	-0.30
0.60	-0.09	10.0	-0.44
0.70	-0.08	15.0	-0.64
0.80	-0.08	20.0	-0.90
0.90	-0.08	30.0	-1.21
1.00	-0.08		

Product Image

