

CN 200N1 Audio Transformer



MAIN FEATURES

- Frequency response 10 Hz to 250 kHz
- Secondary saturation up to 50 A
- Audio power 2 x 200 W
- Turns ratio 2:1 step down
- Freely configurable on primary/secondary; serial, parallel, single
- Built-in non-inductive load resistor 0.5 ohm, 250 W

The CN 200N1 is a standalone coupling network unifying two audio transformers being individually configurable for various test requirements (e.g. Ford FMC1278, German Lloyd GL VI-7-2 and SAE J1113-2).

The CN 200N1 is used to apply the test signals to the lines under test via an audio transformer to perform ripple voltage tests and continuous or transient conducted immunity tests.

Specifications

Parameter	CN 200N1
Secondary current (saturation)	max. 50 A (AC / DC)
Ratio	2:1 step down
Audio power	2 x 200 W
Secondary voltage (insulation)	600 VDC
Secondary inductance	approx. 1 mH (unloaded)
Frequency response	10 Hz ... 250 kHz
Primary configuration	Single, series or parallel connection
Secondary configuration	Single or parallel load (with optional load 0.5 Ω / 250 W)
Primary connectors	4 mm safety lab
Secondary connectors	High current safety lab connectors
Dimension	19", 3 HU 447 x 395 x 154 mm
Weight	25 kg
Cooling	Passive cooling
Operating temperature	+10 ... +40 °C
Humidity	max. 85 %, non-condensing
Atmospheric pressure	860 ... 1060 mbar

Accessories / more test generators

AMP 200N2	Audio Amplifier for AC ripple and magnetic field testing
AutoWave	ArbWave generator
NetWave	Programable AC/DC power source, up to 108 kVA
VDS 200Qx.2	4-quadrant power amplifier, -20 ... + 80 VDC, up to 200A

Applicable standards (extract)

Airbus	GLloyd VI-7-2
MIL STD 461 CS 101 / CS 109	DO 160 section 16 / 18
WV 80300	MIL STD-704
LV 123	SAE J1113-2
ISO 16750-2 Ed.5 (2023)	ISO 11452-10
Ford FMC 1278	Jaguar JLR-EMC-CS V1.0