

# CN 200N1

## AUDIO TRANSFORMER ASSEMBLY FOR LF CONDUCTED IMMUNITY TESTING



### FOR TESTS ACCORDING TO ...

- > AIRBUS
- > BMW GS 95023
- > Chrysler CS-11809 (2009)
- > DaimlerChrysler DC-10615
- > DO 160 Section 16
- > DO 160 Section 18
- > Ford FMC1278
- > GLloyd VI-7-2
- > ISO 11452-10
- > Jaguar EMC-CS-2010JLR V1.1 (2011-01)
- > Jaguar JLR-EMC-CS V1.0 Amd 4
- > LV 123
- > MIL STD 461 G CS 101
- > MIL STD 461 G CS 109
- > MIL-STD-704
- > Mitsubishi ES-X82115
- > SAE J1113-2
- > Tata TST/TS/WI/257
- > VW 80300
- > VW 80303




### CN 200N1 - SINGLE-BOX TRANSFORMER ASSEMBLY FOR LF CONDUCTED IMMUNITY TESTING

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.

### HIGHLIGHTS

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

### APPLICATION AREAS

-  AUTOMOTIVE
-  MILITARY
-  AVIONICS

## TECHNICAL DETAILS

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## CHARACTERISTICS AUDIO ISOLATION TRANSFORMERS

Frequency response	10 Hz - 250 kHz
Audio power	200 W
Secondary saturation	Max. 50 A AC or DC
Turns ratio	2:1 step down

## TRANSFORMER CONFIGURATION

Primary configuration	Single, series or parallel connection
Secondary configuration	Single or parallel (with 0.5 ohm, 250 W load)

## CONNECTORS

Primary connectors	4 mm safety lab connectors
Secondary connectors	High current safety connectors

## GENERAL DATA

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Dimensions	19", 3 HU (395 mm x 449 mm x 133 mm)
Weight	Approx. 24 kg
Cooling	passive cooling
Temperature	10°C - 40°C
Rel. humidity	Max. 85%, non-condensing
Atmospheric pressure	86 kPa (860 mbar) to 106 kPa (1 060 mbar)

# COMPETENCE WHEREVER YOU ARE



## CONTACT EM TEST DIRECTLY

### Switzerland

AMETEK CTS GmbH › Sternenhofstraße 15 › 4153 Reinach › Switzerland  
Phone +41 (0)61 204 41 11 › Fax +41 (0)61 204 41 00  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [sales.conducted.cts@ametek.com](mailto:sales.conducted.cts@ametek.com)

### Germany

AMETEK CTS Europe GmbH › Customer Care Center EMEA › Lünener Straße 211  
› 59174 Kamen › Germany  
Phone +49 (0) 2307 26070-0 › Fax +49 (0) 2307 17050  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [info.cts.de@ametek.com](mailto:info.cts.de@ametek.com)

### Poland

AMETEK CTS Europe GmbH › Biuro w Polsce › ul. Twarda 44 › 00-831 Warsaw › Poland  
Phone +48 (0) 518 643 12  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [Infopolska.cts@ametek.com](mailto:Infopolska.cts@ametek.com)

### USA / Canada

AMETEK CTS US › 52 Mayfield Ave › Edison › NJ 08837 › USA  
Phone +1 732 417 0501  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [usasales.cts@ametek.com](mailto:usasales.cts@ametek.com)

### P.R. China

AMETEK Commercial Enterprise (Shanghai) Co. Ltd. › Beijing Branch › Western Section, 2nd floor › Jing Dong Fang Building (B10) › Chaoyang District › Beijing, China, 100015  
Phone +86 10 8526 2111 › Fax +86 (0)10 82 67 62 38  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [chinasales@ametek.com](mailto:chinasales@ametek.com)

### Republic of Korea

EM TEST Korea Limited › #405 › WooYeon Plaza › #986-8 › YoungDeok-dong › Giheung-gu › Yongin-si › Gyeonggi-do › Korea  
Phone +82 (31) 216 8616 › Fax +82 (31) 216 8616  
Internet: [www.emtest.co.kr](http://www.emtest.co.kr) › E-mail: [sales@emtest.co.kr](mailto:sales@emtest.co.kr)

### Singapore

AMETEK Singapore Pte. Ltd › No. 43 Changi South Avenue 2 › 04-01 Singapore 48164  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [singaporesales.cts@ametek.com](mailto:singaporesales.cts@ametek.com)

### Great Britain

AMETEK GB › 5 Ashville Way › Molly Millars Lane › Wokingham › Berkshire RG41 2 PL › Great Britain  
Phone +44 845 074 0660  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com)

Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.