

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
TECHNICAL DETAILS
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) |

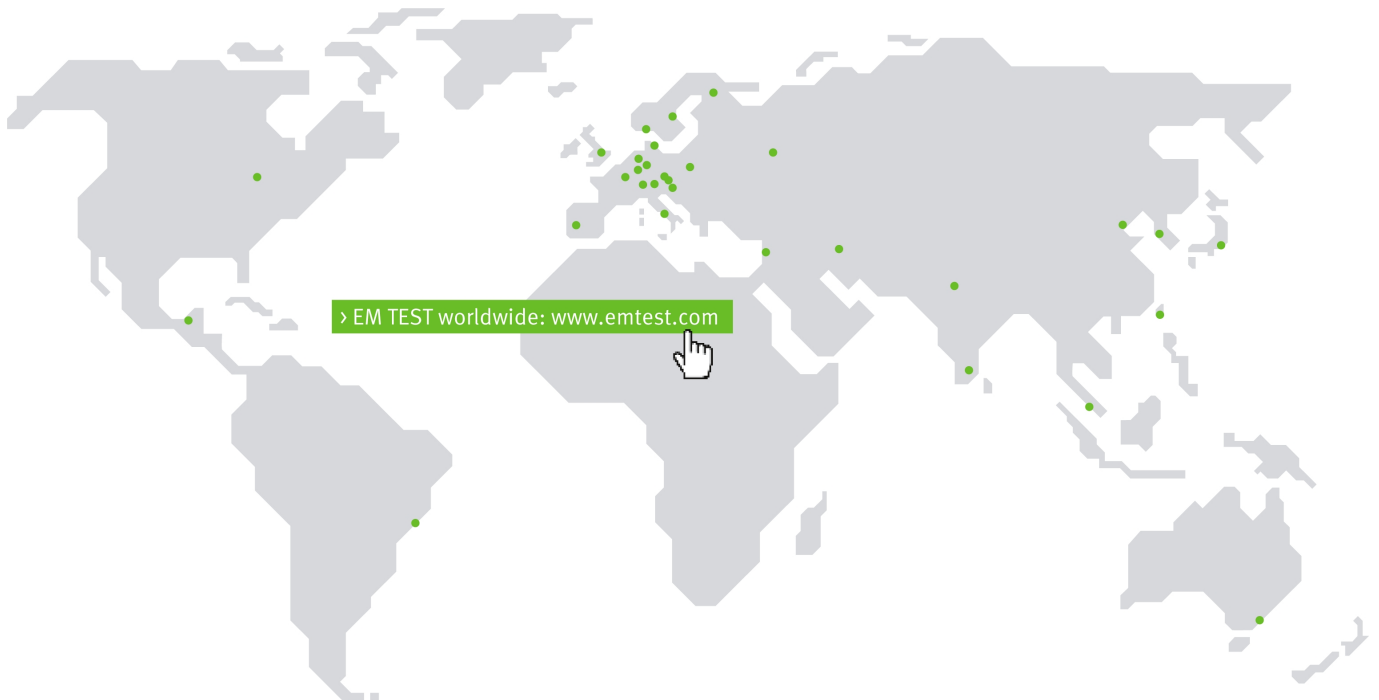
CONNECTORS

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

GENERAL DATA
GENERAL DATA

| | |
|----------------------|---|
| 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



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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.