

AN 2050N SERIES

SINGLE-LINE ARTIFICIAL NETWORKS (AN) FOR EMISSION MEASUREMENTS IN BATTERY SUPPLY SYSTEMS



FOR TESTS ACCORDING TO ...

- > CISPR 25
- > ISO 11452-4
- > ISO 7637-1:1990
- > ISO 7637-2:2004
- > ISO 7637-2:2011

AN 2050N SERIES - ARTIFICIAL NETWORKS (AN) FOR EMISSION MEASUREMENTS IN BATTERY SUPPLY SYSTEMS




The EM TEST single-line Artificial Networks, type AN 2050N series, are used for the simulation of the impedance of the wiring harness particularly for testing the interference voltage in HF-VHF-area in the battery supply system (e.g. in the automotive, aerospace and military area).

They are designed to meet the specifications as per CISPR 25/ISO 11452-4 or ISO 7637.

HIGHLIGHTS

- > Artificial Network as per ISO 7637 or CISPR 25/ ISO 11452-4
- > Frequency range: 100kHz - 108MHz
- > DC voltage max. 400V
- > AC voltage max. 250V (up to 1kHz)
- > Current max. 50A AC/DC cont.
- > Insertion loss < 3dB
- > Compact design

APPLICATION AREAS

-  AUTOMOTIVE
-  AVIONICS
-  MILITARY

TECHNICAL DETAILS

AN 2050N SERIES

MODEL OVERVIEW

AN 2050N	Artificial Network as per ISO 7637-2:2011 and ISO 7637-1:1990
AN 2050N1	Artificial Network as per CISPR 25 (with 1uF) and ISO 11452-4

TECHNICAL DATA

Frequency range	0.1 to 108MHz
Operation voltage	400V DC / 250V AC (up to 1kHz)
Operation current	50A continuous
Impedance	50ohm // 5uH +/-10% (AN 2050N) 50ohm // 5uH + 1uF (AN 2050N1)
Insertion loss	< 3dB DUT to receiver output
Inductance	5uH +/-10% (air-core coil)
Coupling capacitor	0.1uF

MEASUREMENT

Power supply/DUT connection	High-current connector up to 100A 4mm safety lab connector up to 32A
Test output	BNC-connections

GENERAL DATA

Dimensions	180 x 105 x 104mm (L x W x H) (without connecting socket)
Weight	approx. 1kg

OPTIONS

BS 200N80	Electronic switch, 60V/80A, for the measurement of transient pulse emission as per ISO 7637
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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.