



HV-AN 1 μ H-200-VW80300 HIGH VOLTAGE ARTIFICIAL NETWORK



- 1 μ H HV-AN with 200 Amps
- HV-AN as defined in VW 80300
- Solution for high current and voltage

The artificial network HV-AN 1 μ H-200-VW80300 offers a solution for high current and high voltage connections to the EUTs as proposed in VW 80300. The AN is used to simulate the impedance of a vehicle harness to determine the behavior of EUT.

Technical specifications

Frequency range:	100 kHz to 100 MHz
Power ratings (EUT / AE)	
AC max. voltage:	500 V _{RMS}
DC max. voltage:	1000 V _{RMS}
Current max.:	200 A _{RMS} (CW), 300 A _{RMS} (for 15 min)
Test voltage:	1500 VDC 2 sec.
Simulated impedance (EUT):	1 μ H 47.6 Ω \pm 20% (jumper connected) 1 μ H 50 Ω \pm 20% (jumper removed)
DC resistance (AE / EUT):	0.6 m Ω
EUT / AE sockets:	12 mm bolt with butterfly screw (M12x1)
Connector chassis:	12 mm bolt with screw nut (M12)
RF socket:	Type-N, jack/ female 50 Ω

Mechanical specifications

Size (L X W x D):	365 mm x 203 mm x 203 mm
Weight:	approx. 5.4 kg

Environmental conditions

Classification	Indoor use only
Operating temperature	0 $^{\circ}$ C to +30 $^{\circ}$ C
Storage temperature	-10 $^{\circ}$ C to +60 $^{\circ}$ C
Relative humidity	up to 90 % (no moisture condensation)

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View to the EUT port



View to the AE port

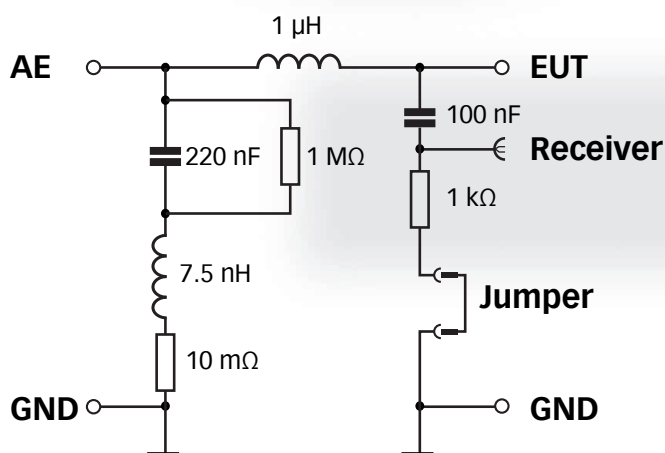
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Example of HV-AN 1uH-200-VW80300 schematic



Model No. and options

Part number	Description
259602	HV-AN 1uH-200-VW80300 1 μH high voltage artificial network, 200 A, according to VW 80300
97-259602	HV-AN 1uH-200-VW80300-TC Traceable calibration (ISO 17025), order only with device.
98-259602	HV-AN 1uH-200-VW80300-ACC Accredited calibration (ISO17025)
259603	SME HV-AN 1uH-200-VW80300/200 Shielded metal enclosure for two HV-AN 1uH-200-VW80300 or HV-AN 200
257521	A 50-N Termination 50 Ohms, N type, male, 1 Watt, 4 GHz
259666	CAS HV-AN200 Calibration set for HV-AN 1uH-200-VW80300 and HV-AN 200

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