

Field of application and characteristics

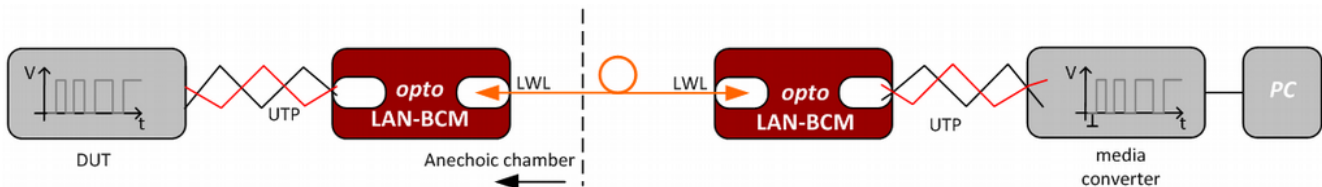
The **optoLAN-BCM89811** system can be used for the optical transmission of automotive ethernet signals with Broadcom® BCM89811© and other 100BaseT1 chipsets.

There are two setups available, **T1 to T1** (standard) or **T1 to Tx** (with integrated media converter => **optoLAN-BCM89811 -MC**), see separate setup document.

The standard connector is Rosenberger HSD (Z-coded). With the optical transmission, the shielded case and the high quality connector, the system is well equipped for EMI and EME tests and has proven its functionality in many automotive emc labs already.



Application



Technical data

Channels:	1
Chipset:	Broadcom BroadR-Reach® BCM89811©
Connectors:	Rosenberger HSD
Data rate:	up to 100Mbit/s (see chipset datasheet)
Power supply:	5 NiMH cells with 4 Ah; >10h; 5-poled charging connector
Case dimensions :	approx. 135mm x 86mm x 65mm aluminum case with rubber protectors to protect connectors for lab use
Weight:	approx. 800g per device
Available options:	5 cell external power pack (4Ah or 10Ah) for run time enhancement various adapter cables and confectioned/customized solutions push pull charge plug (=> save setup time) integrated media converter setup (T1 to Tx) stand alone T1 to Tx media converter 19" rack mount solution with up to 13 different optical transceivers ST or FC fiber plug 3 independent channels in one housing (optoLAN-3xBCM89811) => save cost time and space in test setup

Optical fiber

Connector / type:	FSMA / Duplex-Multimode LWL 62.5/125µm
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