mk •• messtechnik
EMC Test and Measuring Systems

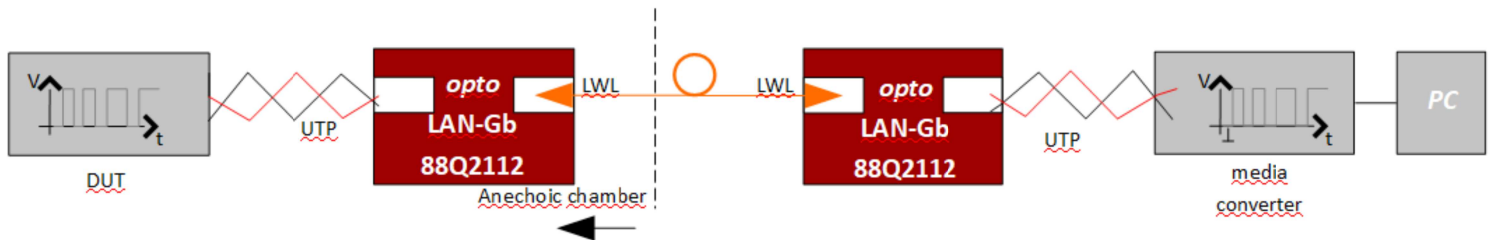# optoLAN-Gb 88Q2112

Date:
10/22/18

Datasheet

Field of application and characteristics

The *opto**LAN-Gb 88Q2112** system can be used for the optical transmission of automotive ethernet signals with Marvell© 88Q2112© chipset (unshielded single pair ethernet). The two identical transceivers are supplied by internal batteries and connected with an optical fiber. 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.

Application

Technical data

Channels:	1
Chipset:	Marvell 88Q2112©
Connectors:	Rosenberger HSD or custom made
Data rate:	1Gb (downward compatibility to 100Mbit/s not guaranteed) (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 ruggedized protectors
Weight:	approx. 800g
misc:	External battery packs / power supply available on demand 19" case and ST connectors for the optical fibers available on demand

Optical fiber

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