



# **BAUER** ENGINEERING

**G. M. B. H.**

ENGINEERING MAKES THE DIFFERENCE

CLERMONT-FERRAND-ALLEE 36

D-93049 REGENSBURG

TEL 0941/29638 – 0, FAX – 90

EMAIL [info@bauer-eng.de](mailto:info@bauer-eng.de)

INTERNET <http://www.bauer-eng.de>

## E/O Converter (Modulated LED Source)

DATASHEET - Version 1.2, Date: 12.04.2007

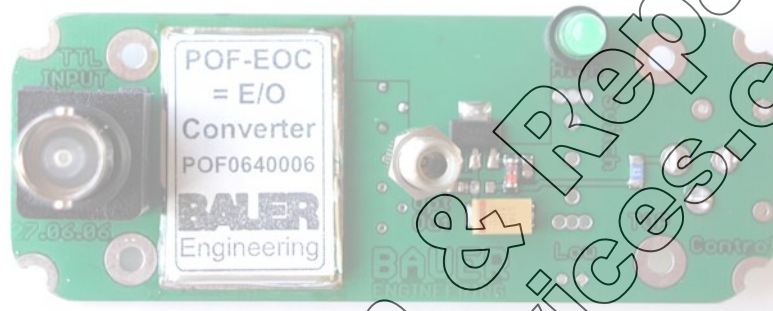


Fig. 1 E/O converter single power level, OEM module

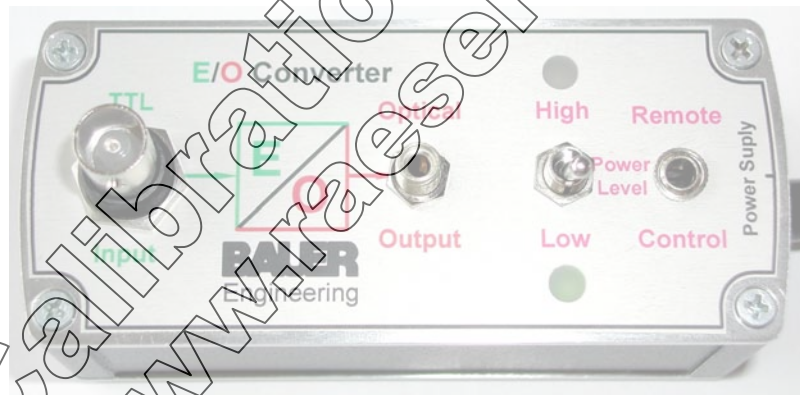


Fig. 2 E/O Converter single power level, device



Fig. 3: E/O Converter dual power level, device

**Specification:**

- Function: LED Source with modulation
- Input: TTL, 50 Ohm
- Wavelength: 650 nm
- Power levels: High, Low (optional)
- Power level control: Local (switch)  
Remote (TTL/switch)
- Extinction ratio: > 60dB

Sender	LED	RC LED
Typ	SFH757	ZL60003
Modulation	< 50 Mbps	150Mbps
Power level High	0 dBm	+1 dBm
Power level Low	-8 dBm	-15 dBm
Rise time	< 5 ns	< 1 ns
Fall time	< 4 ns	< 1 ns

**Technical data:**

- Electric input: BNC
- Optical output: F-SMA female (POF NA=0,5)
- Power: 9~12 VDC/100mA, low voltage connector 2,1/5,5 mm
- Temperature: 15 ~ 35 °C
- Dimension: OEM:96 x 36 x 38 mm, device: 106 x 46 x 54 mm
- Weight: OEM: 45 g, device: 145 g
- Accessories: Power Supply, AC230V/8VDC, 300mA



Fig. 4: Typical optical output by RC-LED

Specification are subject to change without notice.