



# BAUER ENGINEERING

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ENGINEERING MAKES THE DIFFERENCE

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## PG = Pattern - Generator DATASHEET - Version 1.1, Date: 06.02.2007



Fig. 1: Pattern Generator OEM



Fig. 2: Pattern Generator device

### Specification:

- Pattern length: 24 Bit (or customer specify)
- Pattern: 01010101 01000111 00110011 = 55 47 33 HEX
- Bit-Length: 20 ns  $\pm$  0,005 % (one impulse)
- Frequency: 45,16 MHz  $\pm$  0,005 %,
- Rise / Fall Time  $\leq$  7 ns
- Extinction Ratio:  $>$  40 dB
- Outputs:
  - Pattern
  - Trigger (10 ns before pattern start)

### Technical data:

- Output level: TTL with buffer for impedance of 50  $\Omega$
- Power: 7-12 VDC/100mA, low voltage connector 2,1/5,5 mm
- Temperature: 15 – 35 °C
- Dimension: OEM: 50 x 50 x 25 mm, device: 80 x 100 x 50 mm
- Weight: OEM: 50 g, device: 150g

Specification are subject to change without notice.