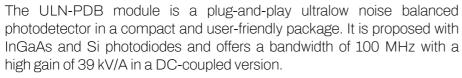




ULN-PDB

ULTRALOW NOISE BALANCED PHOTODETECTOR





SPECIFICATIONS

- Number of outputs: 1
- Trans-impedance gain: 39 kV/A (adjustable on demand)
- Noise equivalent power (NEP): 3 pW/√Hz
- Output impedance: 50 Ω
- Bandwidth: 100 MHz (adjustable on demand)
- Output voltage range: -3 V to +3 V
- Si responsivity: 0.4 A/W at 650 nm
- InGaAs responsivity: 0.9 A/W at 1550 nm
- Available wavelengths: 400 nm 2200 nm (depending on the photodiode's type)
- Photodiode damage threshold: typ. 5 mW

- Output connector: SMA female
- Input connectors: FC
- Product dimensions: 108 x 79 x 33 mm³
- Product weight: approx. 300 g
- Mono-color LED display

PERFORMANCES

Typical voltage noise power spectral density of the output with 500 µW optical power:

