

Partially transparent photodiodes on silicon and glass substrates

Areas of application

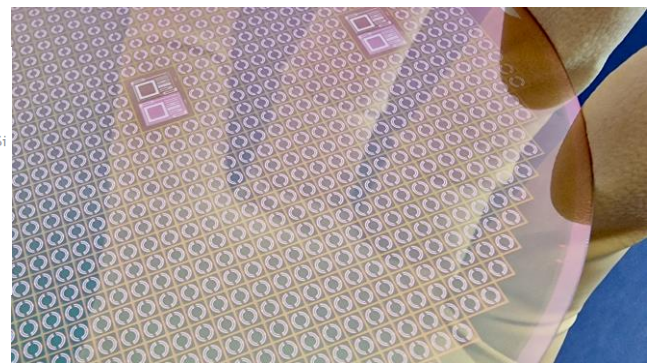
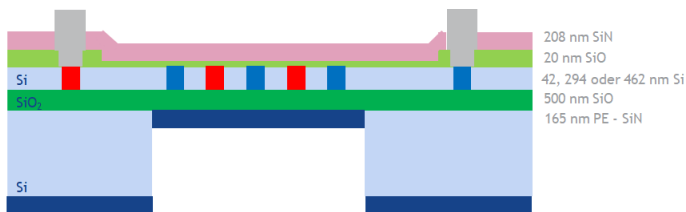
- Elimination of beam splitters and reference light paths in optical sensor systems
- Can also be designed as a tandem diode stack

Applications:

- Interferometer
- Fluorescent light sensors
- stabilized light sources (Laser, LED, ...)
- Multi- λ -Sensors

Results

- Transmission > 80 %
- Cut-off frequency: > 10 MHz
- SOI photodiode as single diode
- Polysilicon on glass as a double diode



The research and development work described was funded by the German Federal Ministry of Economic Affairs and Climate Action (BMWK) in the research project "Tandemdiode"
 Funding code: 49VF200011

CiS Forschungsinstitut für Mikrosensorik GmbH
 Konrad-Zuse-Str. 14, 99099 Erfurt, Germany
 +49 361 6631410 info@cismst.de www.cismst.de

© 2024 CiS Forschungsinstitut für Mikrosensorik GmbH