

Customized Photo Diodes

APPLICATION

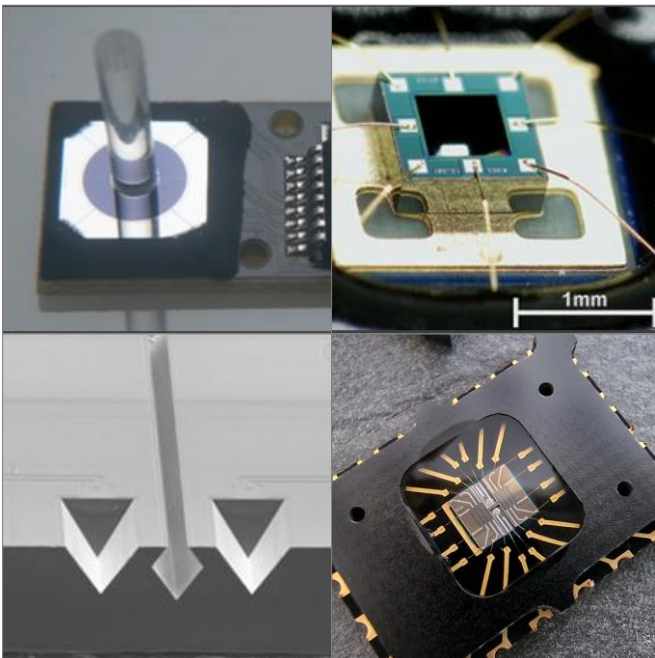
Photo diodes and -arrays allow numerous sensing applications in almost any field:

- Medical & life science (vital parameters, diagnostics, laboratory systems, micro fluidics ...)
- Industrial & safety (particles, color, speed, optical density, fluorescence, optical encoders ...)
- Consumer devices (vital parameters, consumer electronics, ...)
- Automotive & Telecom (fiber communication, LIDAR, speed, ...)

FULL FREEDOM IN (3D) DESIGN

With an in-house silicon wafer manufacturing, CiS offers full freedom in photo diodes design - even in 3D.

PARAMETER	VALUE / RANGE
Chip size	~1 μm^2 ... 100 cm^2
Chip Thickness	200 ... 900 μm
Spectral Response	200 ... 1100 nm
Dynamics	DC to GHz
Shape of Chip Edges	Any
Segments	1 ... x1000
Specialities	<ul style="list-style-type: none"> • In plane and through silicon fibre coupling • Tilted active areas • Through silicon vias • Hermetic sealing • Any housing or substrate • ...



CiS Forschungsinstitut für Mikrosensorik GmbH
Konrad-Zuse-Str. 14, 99099 Erfurt, Germany

Dr. Martin Schädel
+49 361 663 1426
mschaedel@cismst.de
www.cismst.de

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