

Micro-lenses for IR Sensor Applications

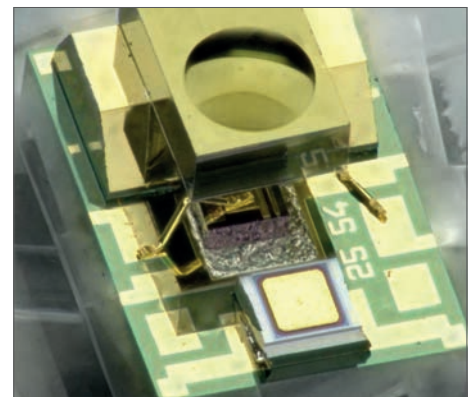
Your Application

- Collimation of emitters
- Focusing onto receivers

in Automotive, Metrology, Medical, Surveillance etc.

Our Solutions

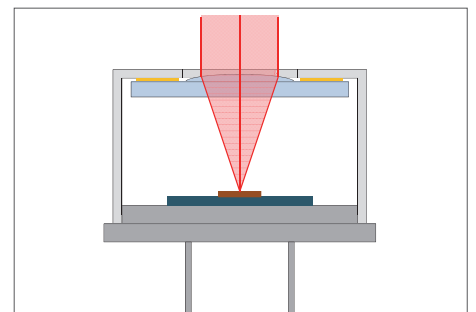
- Micro-lenses in Silicon ($\lambda = 1-14\mu\text{m}$) and Fused Silica ($\lambda = 0.2-5\mu\text{m}$)
- Single lenses and 1D/2D arrays
- Aspherical or spherical profiles
- Metallization for soldering, light blocking etc.
- Optimized custom design



Courtesy EZconn Czech a.s.

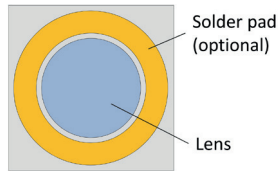
Your Advantages

- Precise lens profile and pitch control
- High surface quality
- Ultra compact size for high integration
- Cost effective wafer level manufacturing



Example: lenses for TO-cans

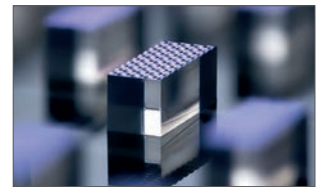
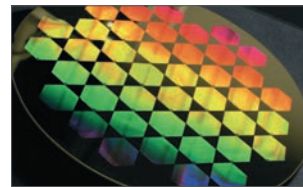
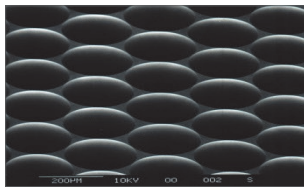
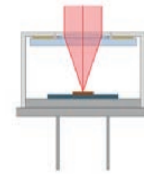
Lens with optional solder pad



Lens mounted into TO-cap



Hermetical TO-lens package



About Axetris AG

Axetris AG, a company of the Leister group, is serving OEM customers with micro-optical components used in telecom and industrial applications, and micro-technology based (MEMS) infrared light sources, laser gas sensors, mass flow sensors and controllers.

Axetris supports its customers in many industries with in-depth application know-how. Our engineering and manufacturing teams combine broad experience in simulation, design, manufacturing and metrology from microchip level to advanced electronic and electro-optic modules.

Customers benefit from excellent product value, consistent high product quality and outstanding customer support. OEMs rely on Axetris as a competent partner for a wide range of high-quality off-the shelf products as well as customer specific solutions from concept to volume production.

Axetris is ISO 9001 certified and ISO TS 16949 compliant and operates its own 6" to 8" wafer MEMS foundry in Central Switzerland for its own products and external customers.



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