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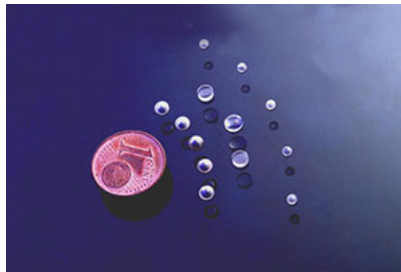
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Single microlenses are used to couple light to optical fibres while microlens arrays are often used to increase the light collection efficiency of CCD arrays. Microlens arrays are also used in some digital projectors to focus light to the active areas of the LCD used to generate the image to be projected. Microlens arrays have been developed to form compact imaging devices for applications such as photocopiers and mobile-phone cameras. Another application is in 3D imaging and displays.

Alpha Optics' micro lenses are designed to meet the stringent requirements of industry applications. The microlenses are manufactured to minute tolerances to ensure minimum wavefront error and polished to accurate surface finish to minimise scatter and unwanted diffraction.

Specifications:

- Material: grade A optical glass or Fused Silica
- Minimum diameter: 0.8mm
- Diametre Tolerance: +0.0, -0.1mm (Standard), +0.0, -0.02mm (Precision)
- Paraxial Focal Length: +/-2%
- lear Aperture: >85% of diameter
- Surface Figure: $\lambda/4@632.8\text{nm}$
- Surface Quality: 40-20 S/D 10-5(Precision)
- Bevel: 0.25x45deg

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