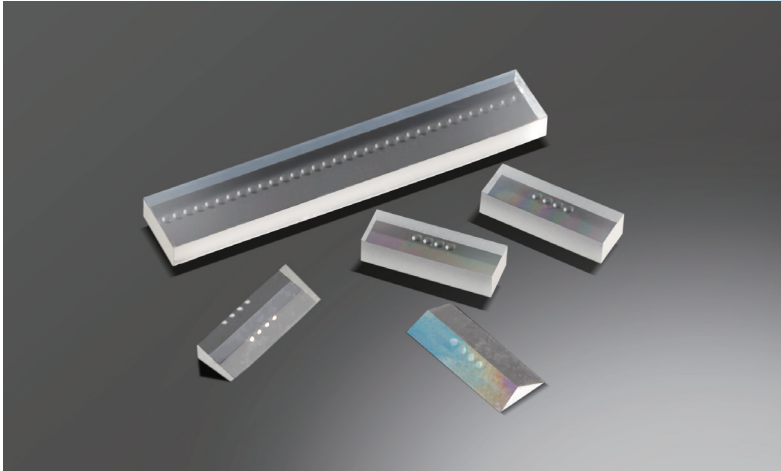


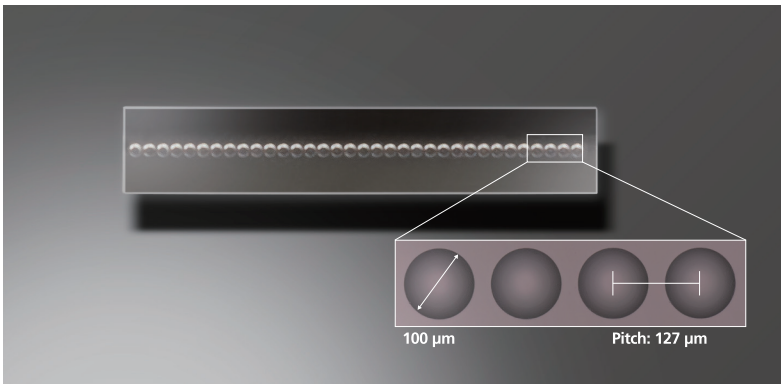
Ultra-fine Pitch Microlens Array

Optical Interface for Si-Photonics & CPO

MLA: Microlens Array

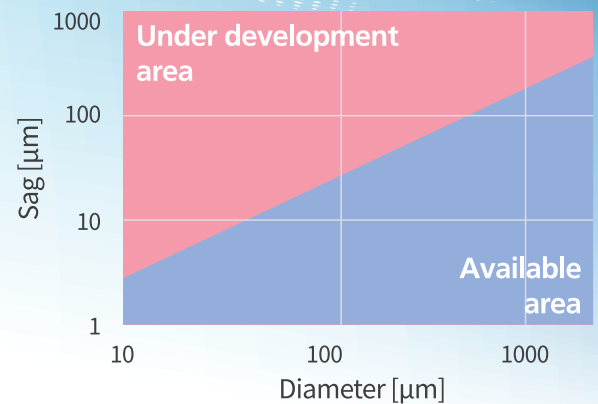


Example



Under development

Available Lens Size



Lens diameter	100 μm
Radius of curvature	185 μm
Sag	10.0 μm (approx.)
RMS	< 100 nm
Number of channels	34 ch
Lens pitch	127 μm
Anti reflection coating	Double-side
Coating surface	R ≤ 0.5%
Single-side reflectance	

▶ 特點 Features

- Submicron-level accuracy in both lens positioning and lens surface figure
透鏡定位與透鏡面型皆達次微米等級精度
- Optical glass materials selectable to customer needs
可依客戶需求選擇適用之光學玻璃材料

▶ 應用 Applications

- Collimation of divergent beams from fiber arrays
將光纖陣列發散的光束進行準直處理

- Customizable design tailored to customer requirements
提供依客戶需求客製化設計
 - Lens design (diameter and sag)
透鏡設計(直徑與弧高 Sag)
 - AR coating
抗反射鍍膜
 - Prism structures
稜鏡結構設計

- Coupling to waveguides and photodiodes
支援與波導及光電二極體之光學耦合