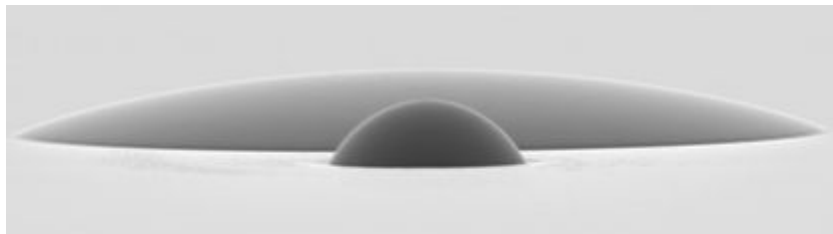


**Tech Brief: March 2005**

**Micralenses™ - Microlens Arrays**

Micralyne is now manufacturing microlens arrays targeting the optical telecom industry. We offer high quality standard and custom microlenses in a variety of configurations.



Microlens arrays can be used in virtually any application where the light is focused or collimated. Examples include fiber optic array coupling and collimation, optical switching and laser diode, VCSEL collimation and arrayed waveguide (AWG) to fiber coupling

Micralyne now offers prototype deliveries with volume fabrication capabilities of microlenses with outstanding uniformity across lens arrays. Our microlenses are fabricated in our state-of-the-art Class 10 clean rooms and take advantage of our leading edge microfabrication technology. We also offer in-house design and test capabilities for custom lens arrays.

Micralyne is capable of fabricating a wide range of microlenses that can optimize the performance of any optical system. Our standard lens arrays have the following specifications:

<b>Substrate Material</b>	Fused Silica/Quartz
<b>Index of Refraction</b>	1.561 @ 250 nm 1.444 @ 1550 nm
<b>Lens Type</b>	Refractive Plano-Convex
<b>Wavelength</b>	UV - IR
<b>Array Pitch Accuracy</b>	± 0.25 µm
<b>Array Packing Type</b>	Square, Hexagonal, Other
<b>Lens Diameter</b>	100 µm – 300 µm

In summary, Micralyne now offers high quality microlenses useful for a wide range of optical applications.