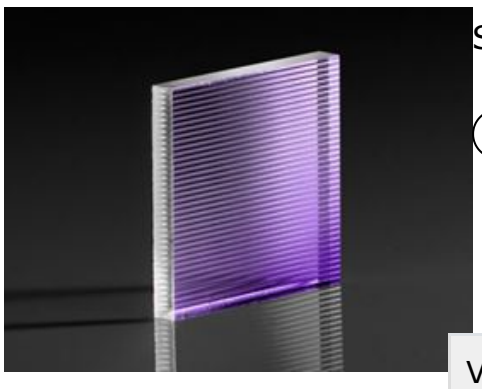
10 x 10mm, 500µm Pitch, 2.2° Divergence, Cyl. Microlens Array



Stock #86-842 CONTACT US

- 1 +

C$1,281.00

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Volume Pricing	
Qty 1-10	C$1,281.00 each
Qty 11-25	C$1,127.00 each
Qty 26-49	C$1,064.00 each
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Product Downloads

STEP:step | PDF Drawing:pdf | IGES:igs | eDrawing:eprt | EO Spec Sheet | Download All

General

Type:	Lens Array

Physical & Mechanical Properties

Dimensions (mm):	10.0 x 10.0 ±0.05	**Radius R (mm):**	3.000
Thickness (mm):	1.20 ±0.05		

Optical Properties

Effective Focal Length EFL (mm):	6.60	**Substrate:** ⓘ	Fused Silica (Corning 7980)
Coating:	Uncoated	**Wavelength Range (nm):**	200 - 2200
Divergence Angle (°):	±2.2	**Pitch (µm):**	500.00 ±0.25
Array Type:	Single-Sided		

Regulatory Compliance

RoHS 2015:	Compliant	**Certificate of Conformance:**	View
Reach 250:	Compliant		

Product Details

- Generate Non-Gaussian Line Patterns
- Ideal for Light Homogenization
- Excellent Performance from 193nm – 2.5µm

Cylindrical Microlens Arrays are used to homogenize a variety of light sources, including lasers or high power LEDs. Unlike **Square Microlens Arrays**, which generate spot patterns, Cylindrical Microlens Arrays yield non-gaussian line patterns, and are ideal for welding, drilling, or laser ablation applications from the UV to IR. Cylindrical Microlens Arrays are available uncoated, VIS-NIR, or UV-NIR coated, including options with lenses on a single side for line generation applications or double-sided (with cross-oriented lenses) for beam homogenisation. Additionally, these lenses can be used as fast axis collimators.

Related Products

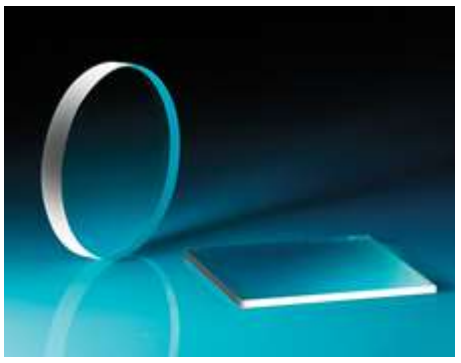
Microlens Array Mounts

Metric Rectangular Optic Mounts

Frequently Purchased Together

#45-991 - 25mm Dia. 532nm 45°, Nd:YAG Laser Line Mirror
C$243.60

Qty



#46-102 - 76.2mm Dia. x 3mm High Efficiency Window
C$49.00

Qty

#47-912-INK - 25mm Diameter x -50 FL, VIS 0°, Inked, Plano-Concave Lens
C$86.80

Qty

#48-271-INK - 50mm Diameter x -100 FL, VIS 0°, Inked, Plano-Concave Lens
C$119.00

Qty

Resources

Media Type

- [ ] Application Note
- [ ] Trending in Optics
- [ ] Published Article
- [ ] FAQ
- [ ] Glossary
- [ ] Video

APPLICATION NOTE
Anti-Reflection (AR) Coatings

APPLICATION NOTE
Laser Beam Shaping Overview

TRENDING IN OPTICS
Non-Circular Optics for System Miniaturization

APPLICATION NOTE
What are Cylinder Lenses?

APPLICATION NOTE
Considerations When Using Cylinder Lenses

PUBLISHED ARTICLE
Cylinder Lenses for Beam Shaping

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