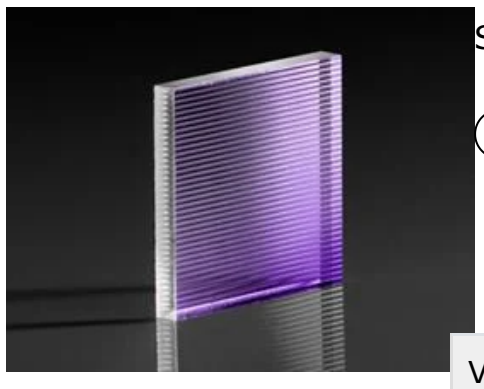
12 x 12mm, 500µm Pitch, 6° Divergence, Double Sided Cyl. Lens Array



Stock #23-875 3 In Stock

- 1 + £675.00

ADD TO CART

Volume Pricing	
Qty 1-10	£675.00 each
Qty 11-25	£590.00 each
Qty 26-49	£562.00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

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):	12.0 x 12.0 ±0.10	**Radius R (mm):**	2.150
Thickness (mm):	2.00 ±0.1		

Optical Properties

Effective Focal Length EFL (mm):	4.78 @ 1064nm	**Substrate:** ⓘ	Fused Silica (Corning 7980)
Coating:	Uncoated	**Wavelength Range (nm):**	200 - 2200
Divergence Angle (°):	6.0 (Full Width)	**Pitch (µm):**	500
Array Type:	Double-Sided (with cross-oriented lenses)		

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

#86-839 - 10 x 10mm, 250µm Pitch, 6° Divergence, Cyl. Microlens Array
£665.00

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

View More

;