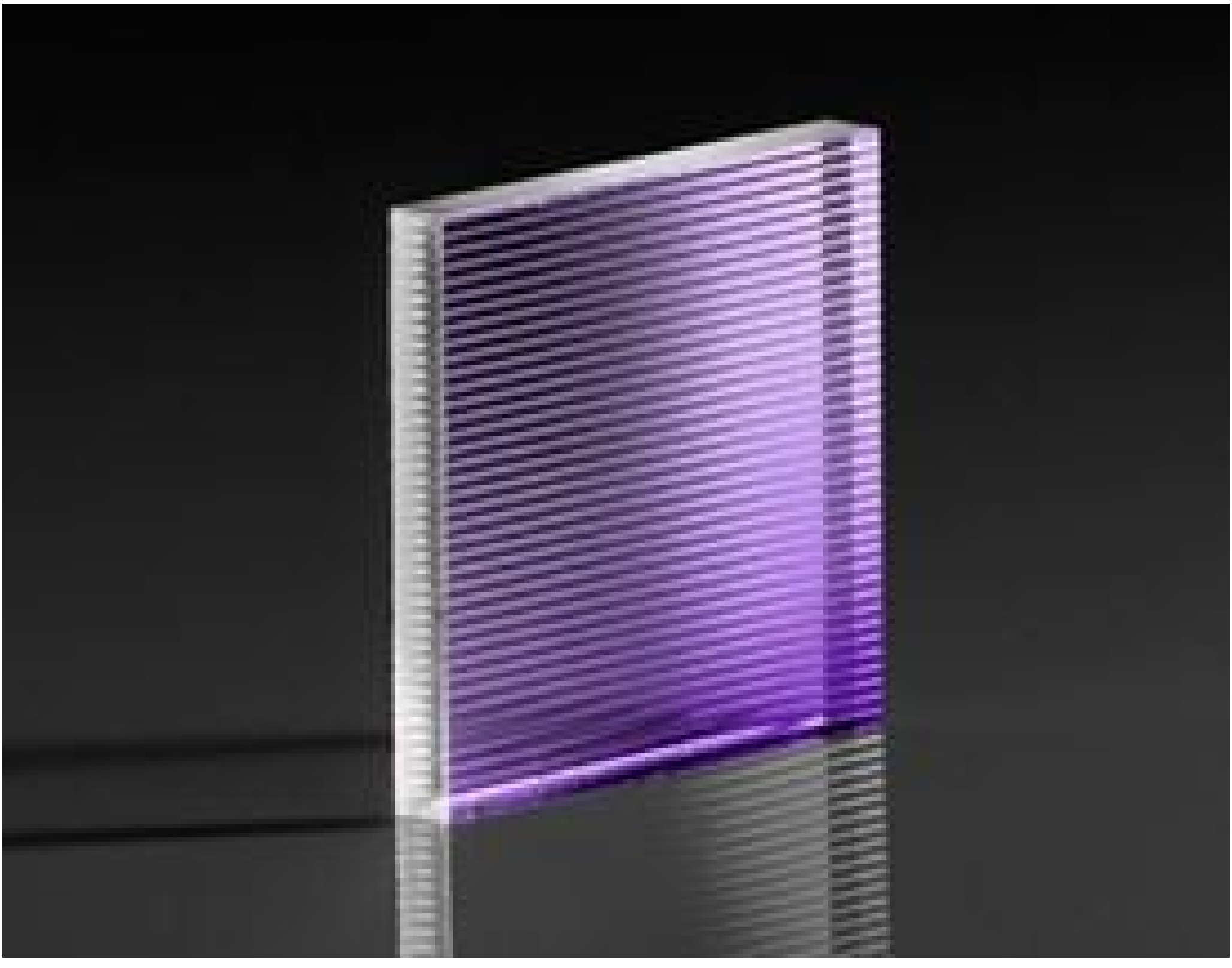
See all 33 Products in Family

10 x 10mm, 250µm Pitch, 6° Div., Cyl. Microlens Array VIS-NIR



Stock **#72-586** **2 In Stock**

- 1 + **A$1,498**.00

ADD TO CART

Volume Pricing	
Qty 1-10	**A$1,498.00** each
Qty 11-25	**A$1,203.00** each
Qty 26-49	**A$1,124.00** each
Need More?	Request Quote

Product Downloads

General

Type:

Lens Array

Physical & Mechanical Properties

Dimensions (mm):

10.0 x 10.0 ±0.05

Radius R (mm):

0.711

Thickness (mm):

1.20 ±0.05

Optical Properties

Effective Focal Length EFL (mm):

1.60

Substrate:

Fused Silica (Corning 7980)

Coating:

VIS-NIR (400-1000nm)

Wavelength Range (nm):

400 - 1000

Coating Specification:

R_{abs} ≤0.25% @ 880nm @ 0° AOI
R_{avg} ≤1.25% @ 400 - 870nm @ 0° AOI
R_{avg} ≤1.25% @ 890 - 1000nm @ 0° AOI

Divergence Angle (°):

±6

Pitch (µm):

250.00 ±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.

Coating Curves

;