

[See all 33 Products in Family](#)

## 10 x 10mm, 500µm Pitch, 1.3° Div., Cyl. Microlens Array VIS-NIR



Stock #72-589 **1 In Stock**

C\$1,456<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-10	C\$1,456.00 each
Qty 11-25	C\$1,169.00 each
Qty 26-49	C\$1,092.00 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

#### General

Lens Array Type:

#### Physical & Mechanical Properties

10.0 x 10.0 ±0.05 Dimensions (mm):

5.000 Radius R (mm):

1.20 ±0.05 **Thickness (mm):**

## Optical Properties

11.10 **Effective Focal Length EFL (mm):**

[Fused Silica](#) (Corning 7980) **Substrate:** □

VIS-NIR (400-1000nm) **Coating:**

400 - 1000 **Wavelength Range (nm):**

**Coating Specification:**  
R<sub>abs</sub> ≤0.25% @ 880nm @ 0° AOI  
R<sub>avg</sub> ≤1.25% @ 400 - 870nm @ 0° AOI  
R<sub>avg</sub> ≤1.25% @ 890 - 1000nm @ 0° AOI

±1.3 **Divergence Angle (°):**

500.00 ±0.25 **Pitch (µm):**

Single-Sided **Array Type:**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 250:**

## 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