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10 x 10mm, 500µm Pitch, 2.2° Div., Cyl. Microlens Array, VIS-NIR



Stock #72-590 **5 In Stock**

- 1 + €765^{.00}

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Volume Pricing	
Qty 1-10	€765,00 each
Qty 11+	€617,00 each
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Product Downloads

General

Lens Array **Type:**

Physical & Mechanical Properties

10.0 x 10.0 ±0.05 **Dimensions (mm):**

3.000 **Radius R (mm):**

1.20 ±0.05 **Thickness (mm):**

Optical Properties

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

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

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

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

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

±2.2 **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