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## 12 x 12mm, 500µm Pitch, 2.3° Div., Cyl. Microlens Array VIS-NIR



Stock #72-591 **1 In Stock**

- 1 + €608<sup>.00</sup>

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Volume Pricing	
Qty 1-10	€608,00 each
Qty 11+	€485,00 each
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**i** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Lens Array **Type:**

### Physical & Mechanical Properties

12.0 x 12.0 ±0.10 **Dimensions (mm):**

5.500 **Radius R (mm):**

Thickness (mm):  
2.00 ±0.10

## Optical Properties

Effective Focal Length EFL (mm):  
12.20 @ 1064nm

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

Coating:  
VIS-NIR (400-1000nm)

Wavelength Range (nm):  
400 - 1000

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

Divergence Angle (°):  
2.3 (Full Width)

Pitch (µm):  
500.00

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