

[See all 33 Products in Family](#)

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



Stock **#72-591** [CONTACT US](#)

-

1

+

₹51,381

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | ₹51,381 each                  |
| Qty 11+        | ₹41,105 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Lens Array

Physical & Mechanical Properties

Dimensions (mm):

12.0 x 12.0 ±0.10

Radius R (mm):

5.500

Thickness (mm):

2.00 ±0.10

| Optical Properties                                                                                                                                                                 |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div>Effective Focal Length EFL (mm):<br/>12.20 @ 1064nm</div>                                                                                                                     |  |
| <div>Fused Silica (Corning 7980)<div>Substrate: <input type="checkbox"/></div></div>                                                                                               |  |
| <div>Coating:<br/>VIS-NIR (400-1000nm)</div>                                                                                                                                       |  |
| <div>Wavelength Range (nm):<br/>400 - 1000</div>                                                                                                                                   |  |
| <div>Coating Specification:<br/>R<sub>abs</sub> ≤0.25% @ 880nm @ 0° AOI<br/>R<sub>avg</sub> ≤1.25% @ 400 - 870nm @ 0° AOI<br/>R<sub>avg</sub> ≤1.25% @ 890 - 1000nm @ 0° AOI</div> |  |
| <div>Divergence Angle (°):<br/>2.3 (Full Width)</div>                                                                                                                              |  |
| <div>Pitch (µm):<br/>500.00</div>                                                                                                                                                  |  |
| <div>Array Type:<br/>Single-Sided</div>                                                                                                                                            |  |

| Regulatory Compliance                                           |  |
|-----------------------------------------------------------------|--|
| <div>RoHS 2015:<br/>Compliant</div>                             |  |
| <div>Certificate of Conformance:<br/>View</div>                 |  |
| <div>Reach 250:<br/>Compliant</div>                             |  |
| <div>Country of Origin:<br/>Switzerland</div>                   |  |
| <div>Imported By:<br/>Edmund Optics India Private Limited</div> |  |

## 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