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



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

S\$1,040⁰⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-10 | S\$1,040.00 each |
| Qty 11-25 | S\$832.00 each |
| Qty 26-49 | S\$780.00 each |
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Product Downloads

General

Lens Array Type:

Physical & Mechanical Properties

12.0 x 12.0 ±0.10 Dimensions (mm):

5.500 Radius R (mm):

2.00 ±0.10 **Thickness (mm):**

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