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12 x 12mm, 500µm Pitch, 3.7° Divergence, Cyl. Microlens Array



Stock **#23-870** **5 In Stock**

S\$870⁰⁰

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Volume Pricing	
Qty 1-10	S\$870.00 each
Qty 11-25	S\$788.00 each
Qty 26-49	S\$744.00 each
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General

Lens Array Type:

Physical & Mechanical Properties

12.0 x 12.0 ±0.10 Dimensions (mm):

3.500 Radius R (mm):

2.00 ±0.1 **Thickness (mm):**

Optical Properties

Effective Focal Length EFL (mm):
7.78 @ 1064nm

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

Coating:
Uncoated

Wavelength Range (nm):
200 - 2200

Divergence Angle (°):
3.7 (Full Width)

Pitch (µm):
500

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.