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



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

- 1 + £510.⁰⁰

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Volume Pricing	
Qty 1-10	£510.00 each
Qty 11-25	£459.00 each
Qty 26-49	£437.00 each
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! 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):**

3.500 **Radius R (mm):**

2.00 ±0.1 **Thickness (mm):**

Optical Properties

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

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

Uncoated **Coating:**

200 - 2200 **Wavelength Range (nm):**

3.7 (Full Width) **Divergence Angle (°):**

500 **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.