

[See all 33 Products in Family](#)

10 x 10mm, 500µm Pitch, 1.3° Divergence, Cyl. Microlens Array



Stock **#86-843** **1 In Stock**

C\$1,281⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	C\$1,281.00 each
Qty 11-25	C\$1,127.00 each
Qty 26-49	C\$1,064.00 each
Need More?	Request Quote

Product Downloads

General

Lens Array Type:

Physical & Mechanical Properties

10.0 x 10.0 ±0.05 Dimensions (mm):

5.000 Radius R (mm):

1.20 ±0.05 **Thickness (mm):**

Optical Properties

11.10 **Effective Focal Length EFL (mm):**

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

Uncoated **Coating:**

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

±1.3 **Divergence Angle (°):**

500.00 ±0.25 **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.