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10 x 10mm, 500µm Pitch, 1.3° Div., Cyl. Microlens Array UV-VIS



Stock **#72-601** **5 In Stock**

S\$1,311⁰⁰

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| Qty 1-10 | S\$1,311.00 each |
| Qty 11-25 | S\$1,053.00 each |
| Qty 26-49 | S\$983.00 each |
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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:** □

UV-NIR (250-700nm) **Coating:**

250 - 700 **Wavelength Range (nm):**

Coating Specification:
R_{abs} ≤1.0% from 350 - 450nm @ 0° AOI
R_{avg} ≤1.5% @ 250 - 700nm @ 0°

±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.