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



Stock #72-591 **1 In Stock**

- 1 + MRP ₹78,891

i Price inclusive of all taxes

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Volume Pricing	
Qty 1-10	₹78,891 each
Qty 11-25	₹63,113 each
Qty 26-49	₹59,169 each
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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

12.20 @ 1064nm **Effective Focal Length EFL (mm):**

Fused Silica (Corning 7980) **Substrate:** □

VIS-NIR (400-1000nm) **Coating:**

400 - 1000 **Wavelength Range (nm):**

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

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

500.00 **Pitch (µm):**

Single-Sided **Array Type:**

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Compliant **Reach 250:**

Switzerland **Country of Origin:**

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

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