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



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₹51,381

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General

Type:

Lens Array

Physical & Mechanical Properties

Dimensions (mm):

12.0 x 12.0 ±0.10

Radius R (mm):

5.500

Thickness (mm):

2.00 ±0.10

Optical Properties	
Effective Focal Length EFL (mm):	12.20 @ 1064nm
Substrate: ☐	Fused Silica (Corning 7980)
Coating:	UV-NIR (250-700nm)
Wavelength Range (nm):	250 - 700
Coating Specification:	R _{abs} ≤1.0% from 350 - 450nm @ 0° AOI R _{avg} ≤1.5% @ 250 - 700nm @ 0°
Divergence Angle (°):	2.3 (Full Width)
Pitch (µm):	500.00
Array Type:	Single-Sided

Regulatory Compliance	
RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 250:	Compliant
Country of Origin:	Switzerland
Imported By:	Edmund Optics India Private Limited

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.