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10 x 10mm, 500µm Pitch, 2.2° Div., Cyl. Microlens Array, VIS-NIR



Stock **#72-590** **5 In Stock**

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1

+

₹65,005

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Volume Pricing	
Qty 1-10	₹65,005 each
Qty 11+	₹52,160 each
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General

Type:

Lens Array

Physical & Mechanical Properties

Dimensions (mm):

10.0 x 10.0 ±0.05

Radius R (mm):

3.000

Thickness (mm):

1.20 ±0.05

Optical Properties	
6.60	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	
±2.2	Divergence Angle (°):
500.00 ±0.25	Pitch (µm):
Single-Sided	Array Type:

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

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