

12 x 12mm, 500µm Pitch, 3.7° Div., Cyl. Microlens Array VIS-NIR



Stock **#72-593** **2 In Stock**

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1

+

£610^{.00}

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Volume Pricing	
Qty 1-10	£610.00 each
Qty 11+	£485.00 each
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Product Downloads

General

Type:

Lens Array

Physical & Mechanical Properties

12.0 x 12.0 ±0.10	Dimensions (mm):
3.500	Radius R (mm):

2.00 ±0.10	Thickness (mm):
Optical Properties	
7.78 @ 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	
3.7 (Full Width)	Divergence Angle (°):
500.00	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.

Coating Curves