

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



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1

+

£577^{.83}

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Volume Pricing	
Qty 1-10	£577.83 each
Qty 11+	£462.26 each
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SPECIFICATIONS

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: ☐
UV-NIR (250-700nm)	Coating:
250 - 700	Wavelength Range (nm):
R _{abs} ≤1.0% from 350 - 450nm @ 0° AOI R _{avg} ≤1.5% @ 250 - 700nm @ 0°	Coating Specification:
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.