

10 x 10mm, 300µm Pitch, 10.1° Div., Cyl. Microlens Array VIS-NIR



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1

+

£731^{.04}

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Qty 1-10	£731.04 each
Qty 11+	£586.59 each
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SPECIFICATIONS

General

Type:

Lens Array

Physical & Mechanical Properties

10.0 x 10.0 ±0.05	Dimensions (mm):
0.380	Radius R (mm):
1.20 ±0.05	Thickness (mm):
Optical Properties	
0.80	Effective Focal Length EFL (mm):
Fused Silica (Corning 7980)	Substrate: □
VS-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	
±10.1	Divergence Angle (°):
300.00 ±0.25	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, VS-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