

20 x 20mm, 800µm Pitch, 1.9° Div., Cyl. Microlens Array VIS-NIR



Stock **#72-597** [CONTACT US](#)

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1

+

€608^{.00}

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Volume Pricing	
Qty 1-10	€608,00 each
Qty 11+	€485,00 each
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Product Downloads

General

Type:

Lens Array

Physical & Mechanical Properties

Dimensions (mm):	
20.0 x20.0 ±0.10	
Radius R (mm):	
11.100	

Thickness (mm):		2.00 ±0.10
Optical Properties		
Effective Focal Length EFL (mm):		24.70 @ 1064nm
Substrate: 		Fused Silica (Corning 7980)
Coating:		VIS-NIR (400-1000nm)
Wavelength Range (nm):		400 - 1000
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
Divergence Angle (°):		1.9 (Full Width)
Pitch (µm):		800.00
Array Type:		Single-Sided
Regulatory Compliance		
RoHS 2015:		Compliant
Certificate of Conformance:		View
Reach 250:		Compliant

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