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



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1

+

₹51,381

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Volume Pricing	
Qty 1-10	₹51,381 each
Qty 11+	₹41,105 each
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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	
Fused Silica (Corning 7980) Substrate: ☐	
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	
Country of Origin: Switzerland	
Imported By: Edmund Optics India Private Limited	

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