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## 20 x 20mm, 800µm Pitch, 0.3° Div., Cyl. Microlens Array VIS-NIR



Stock #72-596 **1 In Stock**

S\$1,040<sup>00</sup>

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Volume Pricing	
Qty 1-10	S\$1,040.00 each
Qty 11-25	S\$832.00 each
Qty 26-49	S\$780.00 each
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### Product Downloads

### General

Lens Array Type:

### Physical & Mechanical Properties

20.0 x 20.0 ±0.10 Dimensions (mm):

78.000 Radius R (mm):

2.00 ±0.10 **Thickness (mm):**

## Optical Properties

**Effective Focal Length EFL (mm):**  
173.50 @ 1064nm

**Substrate:**   
[Fused Silica](#) (Corning 7980)

**Coating:**  
VIS-NIR (400-1000nm)

**Wavelength Range (nm):**  
400 - 1000

**Coating Specification:**  
R<sub>abs</sub> ≤0.25% @ 880nm @ 0° AOI  
R<sub>avg</sub> ≤1.25% @ 400 - 870nm @ 0° AOI  
R<sub>avg</sub> ≤1.25% @ 890 - 1000nm @ 0° AOI

**Divergence Angle (°):**  
0.3 (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