

# 12 x 12mm, 500µm Pitch, 2.3° Div., Cyl. Microlens Array UV-VIS



Stock **#72-603** 1 In Stock

-

1

+

€608<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €608,00 each                  |
| Qty 11+        | €485,00 each                  |
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

|            |       |
|------------|-------|
|            | Type: |
| Lens Array |       |

Physical & Mechanical Properties

|                   |                  |
|-------------------|------------------|
|                   | Dimensions (mm): |
| 12.0 x 12.0 ±0.10 |                  |
|                   | Radius R (mm):   |
| 5.500             |                  |

|                                                                                               |                                  |
|-----------------------------------------------------------------------------------------------|----------------------------------|
| 2.00 ±0.10                                                                                    | Thickness (mm):                  |
| Optical Properties                                                                            |                                  |
| 12.20 @ 1064nm                                                                                | Effective Focal Length EFL (mm): |
| Fused Silica (Corning 7980)                                                                   | Substrate: □                     |
| UV-NIR (250-700nm)                                                                            | Coating:                         |
| 250 - 700                                                                                     | Wavelength Range (nm):           |
| R <sub>abs</sub> ≤1.0% from 350 - 450nm @ 0° AOI<br>R <sub>avg</sub> ≤1.5% @ 250 - 700nm @ 0° | Coating Specification:           |
| 2.3 (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.