

## 20 x 20mm, 800µm Pitch, 1.7° Div., Double Cyl. Lens Array UV-VIS



Stock **#72-606** 3 In Stock

-

1

+

€860<sup>.05</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €860,05 each                  |
| Qty 11+        | €688,04 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

### SPECIFICATIONS

#### General

Type:

Lens Array

#### Physical & Mechanical Properties

|                                                                                               |                                     |
|-----------------------------------------------------------------------------------------------|-------------------------------------|
| 20.0 x20.0 ±0.10                                                                              | Dimensions (mm):                    |
| 11.100                                                                                        | Radius R (mm):                      |
| 2.00 ±0.10                                                                                    | Thickness (mm):                     |
| Optical Properties                                                                            |                                     |
| 24.70 @ 1064nm                                                                                | Effective Focal Length EFL (mm):    |
| Fused Silica (Corning 7980)                                                                   | Substrate: <input type="checkbox"/> |
| 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:              |
| 1.7 (Full Width)                                                                              | Divergence Angle (°):               |
| 800.00                                                                                        | Pitch (µm):                         |
| Double-Sided (with cross-oriented lenses)                                                     | 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.