

# 10 x 10mm, 250µm Pitch, 6° Div., Cyl. Microlens Array VIS-NIR



Stock **#72-586** 2 In Stock

-

1

+

€765<sup>,00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €765,00 each                  |
| Qty 11+        | €617,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Lens Array

Physical & Mechanical Properties

|                   |  |
|-------------------|--|
| Dimensions (mm):  |  |
| 10.0 x 10.0 ±0.05 |  |
| Radius R (mm):    |  |
| 0.711             |  |

|                                                                                                                                                                         |                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 1.20 ±0.05                                                                                                                                                              | Thickness (mm):                  |
| Optical Properties                                                                                                                                                      |                                  |
| 1.60                                                                                                                                                                    | Effective Focal Length EFL (mm): |
| <a href="#">Fused Silica</a> (Corning 7980)                                                                                                                             | Substrate: □                     |
| VIS-NIR (400-1000nm)                                                                                                                                                    | Coating:                         |
| 400 - 1000                                                                                                                                                              | Wavelength Range (nm):           |
| Coating Specification:<br>R <sub>abs</sub> ≤0.25% @ 880nm @ 0° AOI<br>R <sub>avg</sub> ≤1.25% @ 400 - 870nm @ 0° AOI<br>R <sub>avg</sub> ≤1.25% @ 890 - 1000nm @ 0° AOI |                                  |
| ±6                                                                                                                                                                      | Divergence Angle (°):            |
| 250.00 ±0.25                                                                                                                                                            | Pitch (µm):                      |
| Single-Sided                                                                                                                                                            | Array Type:                      |
| Regulatory Compliance                                                                                                                                                   |                                  |
| <a href="#">Compliant</a>                                                                                                                                               | RoHS 2015:                       |
| <a href="#">View</a>                                                                                                                                                    | Certificate of Conformance:      |
| <a href="#">Compliant</a>                                                                                                                                               | 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.

## Coating Curves