

[See all 33 Products in Family](#)

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



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

-

1

+

₹65,005

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | ₹65,005 each                  |
| Qty 11+        | ₹52,160 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

## General

Type:

Lens Array

## Physical & Mechanical Properties

Dimensions (mm):

10.0 x 10.0 ±0.05

Radius R (mm):

0.711

Thickness (mm):

1.20 ±0.05

| Optical Properties                                                                                                                                                      |                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 1.60                                                                                                                                                                    | Effective Focal Length EFL (mm):    |
| <a href="#">Fused Silica</a> (Corning 7980)                                                                                                                             | Substrate: <input type="checkbox"/> |
| 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:                  |
| Switzerland                         | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

## 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