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10 x 10mm, 300µm Pitch, 10.1° Div., Cyl. Microlens Array VIS-NIR



Stock #72-588 **5 In Stock**

- 1 + €765^{.00}

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Volume Pricing	
Qty 1-10	€765,00 each
Qty 11+	€617,00 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Lens Array **Type:**

Physical & Mechanical Properties

10.0 x 10.0 ±0.05 **Dimensions (mm):**

0.380 **Radius R (mm):**

Thickness (mm):
1.20 ±0.05

Optical Properties

Effective Focal Length EFL (mm):
0.80

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

Coating:
VIS-NIR (400-1000nm)

Wavelength Range (nm):
400 - 1000

Coating Specification:
 $R_{\text{abs}} \leq 0.25\% @ 880\text{nm} @ 0^\circ \text{AOI}$
 $R_{\text{avg}} \leq 1.25\% @ 400 - 870\text{nm} @ 0^\circ \text{AOI}$
 $R_{\text{avg}} \leq 1.25\% @ 890 - 1000\text{nm} @ 0^\circ \text{AOI}$

Divergence Angle (°):
±10.1

Pitch (µm):
300.00 ±0.25

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