

# 12 x 12mm, 500µm Pitch, 6° Divergence, Double Sided Cyl. Lens Array



Stock **#23-875** **3 In Stock**

-

1

+

C\$747<sup>05</sup>

C\$1,245.09

ADD TO CART

| Volume Pricing |                                              |
|----------------|----------------------------------------------|
| Qty 1-10       | <del>C\$1,245.09</del> <b>C\$747.05</b> each |
| Qty 11-25      | <del>C\$1,092.63</del> <b>C\$655.58</b> each |
| Qty 26-49      | <del>C\$1,029.95</del> <b>C\$617.97</b> each |
| Need More?     | <a href="#">Request Quote</a>                |

Product Downloads

## SPECIFICATIONS

### General

Type:

Lens Array

### Physical & Mechanical Properties

|                                           |                                  |
|-------------------------------------------|----------------------------------|
| 12.0 x 12.0 ±0.10                         | Dimensions (mm):                 |
| 2.150                                     | Radius R (mm):                   |
| 2.00 ±0.1                                 | Thickness (mm):                  |
| Optical Properties                        |                                  |
| 4.78 @ 1064nm                             | Effective Focal Length EFL (mm): |
| Fused Silica (Corning 7980)               | Substrate: □                     |
| Uncoated                                  | Coating:                         |
| 200 - 2200                                | Wavelength Range (nm):           |
| 6.0 (Full Width)                          | Divergence Angle (°):            |
| 500                                       | 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.