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# 1064nm, 2.5-4mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal- $\pi$ Shaper\_1064\_Q-3

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#25-845: 1064nm, 2.5-4mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal- $\pi$ Shaper\_1064\_Q-3



Stock **#25-845** **1 In Stock**

⊖ 1 ⊕ €2.830<sup>00</sup>

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | €2.830,00 each                |
| Qty 5+         | €2.520,00 each                |
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ⓘ Prices shown are exclusive of VAT/local taxes

## Product Downloads

### General

Model Number:  
Focal- $\pi$ Shaper\_1064\_Q-3

Type:  
Beam Shaper

#12-322

Compatible Adapter:

## Physical & Mechanical Properties

|         |                                    |
|---------|------------------------------------|
| 29.00   | Length (mm):                       |
| 50      | Weight (g):                        |
| 20      | Clear Aperture CA (mm):            |
| 42.00   | Diameter (mm):                     |
| 2.5 - 4 | Input Beam Diameter, $1/e^2$ (mm): |

## Optical Properties

|                   |   |
|-------------------|---|
| >99               | Transmission (%):                                 |
| 1064              | Design Wavelength DWL (nm):                       |
| 1020 - 1100       | Wavelength Range (nm):                            |
| TEM <sub>00</sub> | Input Beam Mode:                                  |
| <1.5              | Typical Input Beam Mode Quality, M <sup>2</sup> : |
| ±20               | Input Beam Divergence (mrad):                     |

## Electrical

|     |                               |
|-----|-------------------------------|
| 0.1 | Maximum Input Power, CW (kW): |
|-----|-------------------------------|

## Threading & Mounting

|            |               |
|------------|---------------|
| M30 x 0.75 | Inner Thread: |
| M30 x 0.75 | Outer Thread: |

## Regulatory Compliance

|                           |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">View</a>      | Certificate of Conformance: |
| <a href="#">Compliant</a> | Reach 250:                  |

## Product Details

- Shapes Gaussian Beams to Airy Disk Profile
- Airy Disk is Focusable to Flat Top Spot
- Near 100% Efficiency
- [AdlOptica piShaper Flat Top Beam Shapers](#) Also Available

AdlOptica Focal- $\pi$ Shaper (piShaper) Q Flat Top Beam Shapers are used to transform Gaussian beams to flat-top profiles after focusing through a lens. This is accomplished by transforming the Gaussian beam to airy disk profiles immediately after the piShaper. These beam shapers feature a compact design with inner and outer threading, making them easy to integrate into equipment. AdlOptica Focal- $\pi$ Shapers are advantageous for beam shaping in micromachining applications, including scribing and PCB drilling, as well as micro-welding applications. Multiple models are available at Nd:YAG, Ti:Sapphire, and Infrared wavelengths with compatible input beam diameters as small as 2.5mm and up to 23mm.

## Technical Information



