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# 1064nm, 3-5mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal $\pi$ Shaper\_1064\_Q-4

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Focal Flat Top Beam Shaper



Stock #12-230 [CONTACT US](#)

- 1 + **\$4,423.00**

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## Product Downloads

### General

**Model Number:**  
 $\pi$ Shaper\_1064\_Q-4

**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):

3 - 5 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

0.15 Maximum Input Power, CW (kW):

## Threading & Mounting

M30 x 0.75 Inner Thread:

M30 x 0.75 Outer Thread:

## Regulatory Compliance

[Compliant](#) RoHS 2015:

[View](#) Certificate of Conformance:

[Compliant](#) 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



