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# 1064nm, 2.5-4mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal-πShaper_1064_Q-3

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#25-845: 1064nm, 2.5-4mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal-πShaper_1064_Q-3

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

- 1 + **A$5,055**.00

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| Qty 1-4 | **A$5,055.00** each |
| Qty 5+ | **A$4,493.00** each |
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## General

**Model Number:**
Focal-πShaper_1064_Q-3

**Type:**
Beam Shaper

**Compatible Adapter:**
#12-322

## Physical & Mechanical Properties

**Length (mm):**
29.00

**Weight (g):**
50

**Clear Aperture CA (mm):**
20

**Diameter (mm):**
42.00

**Input Beam Diameter, $1/e^2$ (mm):**
2.5 - 4

## Optical Properties

**Transmission (%):**
>99

**Design Wavelength DWL (nm):**
1064

**Wavelength Range (nm):**
1020 - 1100

**Input Beam Mode:**
$TEM_{00}$

**Typical Input Beam Mode Quality, $M^2$:**
<1.5

**Input Beam Divergence (mrad):**
±20

## Electrical

**Maximum Input Power, CW (kW):**
0.1

## Threading & Mounting

**Inner Thread:**
M30 x 0.75

**Outer Thread:**
M30 x 0.75

## Regulatory Compliance

**RoHS 2015:**
Compliant

**Certificate of Conformance:**
View

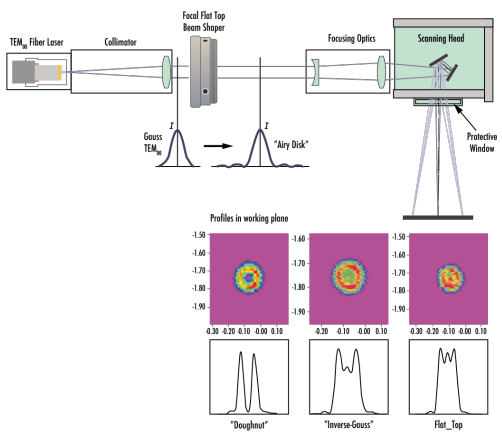
**Reach 250:**
Compliant

# Product Details

- Shapes Gaussian Beams to Airy Disk Profile
- Airy Disk is Focusable to Flat Top Spot
- Near 100% Efficiency
- **AdlOptica πShaper Flat Top Beam Shapers** Also Available

AdlOptica Focal-πShaper (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-πShapers 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



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