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# 1064nm, 11-17mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal- $\pi$ Shaper\_1064\_Q-14

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#25-846: 1064nm, 11-17mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal- $\pi$ Shaper\_1064\_Q-14



Stock #25-846 [CONTACT US](#)

⊖ 1 ⊕ €2.830<sup>00</sup>

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Volume Pricing	
Qty 1-4	€2.830,00 each
Qty 5+	€2.520,00 each
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## Product Downloads

## General

Model Number:  
Focal- $\pi$ Shaper\_1064\_Q-14

Type:

#12-322

Compatible Adapter:

**Physical & Mechanical Properties**

29.00 Length (mm):

50 Weight (g):

20 Clear Aperture CA (mm):

42.00 Diameter (mm):

11 - 17 Input Beam Diameter, 1/e<sup>2</sup> (mm):**Optical Properties**

&gt;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**

0.3 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 AiryDisk Profile
- AiryDisk 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**

