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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 ⊕ £2,528⁰⁰

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Volume Pricing	
Qty 1-4	£2,528.00 each
Qty 5+	£2,247.00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Model Number:
Focal-πShaper_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 ₀₀	Input Beam Mode:
<1.5	Typical Input Beam Mode Quality, M ² :
±20	Input Beam Divergence (mrad):

Electrical

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



