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1064nm, 2.5-4mm Focal- π Shaper

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Beam Shaper |



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

- 1 +

€2.830^{,00}

ADD TO CART

#25-845: 1064nm, 2.5-4mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal- π Shaper_1064_Q-3



Volume Pricing	
Qty 1-4	€2.830,00 each
Qty 5+	€2.520,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:stp
- IGES:igs
- User Manual:pdf
- eDrawing:easm
- EO Spec Sheet
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General

Model Number: Focal- π Shaper_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/e² (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, M²: <1.5	Input Beam Divergence (mrad): ±20

Electrical

Maximum Input Power, CW (kW): 0.1	
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Threading & Mounting

Inner Thread: M30 x 0.75

Outer Thread: M30 x 0.75

Regulatory Compliance

RoHS 2015: **Compliant**

Reach 250: **Compliant**

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Product Details

- Shapes Gaussian Beams to Airy Disk Profile
- Airy Disk is Focusable to Flat Top Spot
- Near 100% Efficiency
- **AdlOptica nShaper 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

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	Alignment Lens Q		#13-783	€150,00 Volume Pricing Request Quote	CONTACT US 1
MORE+	Alignment Lens Q for UV		#13-784	€190,00 Volume Pricing Request Quote	1 In Stock 1
MORE+	M30 x 0.75 to M58 x 1 Adapter		#12-322	€110,00 Volume Pricing Request Quote	CONTACT US 1
MORE+	M58 x 1 to M30 x 0.75 Adapter		#12-323	€110,00 Volume Pricing Request Quote	1 In Stock 1
MORE+	M30 x 0.75 to SM1 Adapter		#13-786	€110,00 Volume Pricing Request Quote	1 In Stock 1
MORE+	M30 x 0.75 to M27 x 1 Adapter		#13-785	€110,00 Volume Pricing Request Quote	1 In Stock 1

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- Glossary
- Scientific Paper
- FAQ

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Laser Beam
Shaping
Overview

Aligning
AdiOptica
TTShaper

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 PUBLISHED ARTICLE

Flat-top laser
beams: Their
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 APPLICATION NOTE

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Aligning
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Beamshapers

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