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266nm, 4-6mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal- π Shaper_266_Q-5

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#25-842: 266nm, 4-6mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal- π Shaper_266_Q-5



Stock **#25-842** [CONTACT US](#)

- 1 + **A\$5,422⁰⁰**

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Volume Pricing	
Qty 1-4	A\$5,422.00 each
Qty 5+	A\$4,832.00 each
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General

Focal- π Shaper_266_Q-5 **Model Number:**

Beam Shaper **Type:**

[#12-322](#) **Compatible Adapter:**

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):

4 - 6

Optical Properties

Transmission (%):

>99

Design Wavelength DWL (nm):

266

Wavelength Range (nm):

250 - 275

Input Beam Mode:

TEM₀₀

Typical Input Beam Mode Quality, M²:

<1.5

Input Beam Divergence (mrad):

±20

Electrical

Maximum Input Power, CW (kW):

0.2

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 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



