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266nm, 6-9mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal- π Shaper_266_Q-7.5

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#25-843: 266nm, 6-9mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal- π Shaper_266_Q-7.5



Stock **#25-843** **1 In Stock**

1 C\$5,271⁰⁰

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Volume Pricing

Qty 1-4	C\$5,271.00 each
Qty 5+	C\$4,697.00 each
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General

Model Number:
Focal- π Shaper_266_Q-7.5

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):
6 - 9

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



