

1064nm, 11-17mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal- π Shaper_1064_Q-14

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#25-846: 1064nm, 11-17mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal- π Shaper_1064_Q-14



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

- 1 + A\$5,059³⁶

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Volume Pricing	
Qty 1-4	A\$5,059.36 each
Qty 5+	A\$4,499.04 each
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SPECIFICATIONS

General

Focal- π Shaper_1064_Q-14	Model Number:
Beam Shaper	Type:
#12-322	Compatible Adapter:
Physical & Mechanical Properties	
20	Clear Aperture CA (mm):
42.00	Diameter (mm):
29.00	Length (mm):
50	Weight (g):
11 - 17	Input Beam Diameter, $1/e^2$ (mm):
Optical Properties	
1064	Design Wavelength DWL (nm):
>99	Transmission (%):
1020 - 1100	Wavelength Range (nm):
TEM ₀₀	Input Beam Mode:
<1.5	Typical Input Beam Mode Quality, M²:
±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 Airy Disk Profile
- Airy Disk is Focusable to Flat Top Spot
- Near 100% Efficiency
- [AdlOptica \$\pi\$ Shaper Flat Top Beam Shapers](#) Also Available

AdlOptica Focal- π Shaper (π Shaper) 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 π Shaper. 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

