1064nm, 11-17mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal-πShaper_1064_Q-14

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#25-846: 1064nm, 11-17mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal-πShaper_1064_Q-14

Stock **#25-846** [CONTACT US]

−   1   +   A$5,055.⁰⁰

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Volume Pricing	
Qty 1-4	**A$5,055.00** each
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General

Model Number:
Focal-πShaper_1064_Q-14

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, $1/e^2$ (mm):
11 - 17	

Optical Properties

	Transmission (%):
>99	
	Design Wavelength DWL (nm):
1064	
	Wavelength Range (nm):
1020 - 1100	
	Input Beam Mode:
TEM_{00}	
	Typical Input Beam Mode Quality, M^2:
<1.5	
	Input Beam Divergence (mrad):
±20	

Electrical

	Maximum Input Power, CW (kW):
0.3	

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 πShaper Flat Top Beam Shapers Also Available

AdlOptica Focal-πShaper (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-πShapers 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

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