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1064nm, 4-6mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal πShaper_1064_Q-5

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Focal Flat Top Beam Shaper



Stock **#12-231** 1 In Stock

-

1

+

£2,528⁰⁰

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Volume Pricing	
Qty 1-4	£2,528.00 each
Qty 5-10	£2,272.00 each
Qty 11+	£2,150.00 each
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Product Downloads

General

Model Number:

πShaper_1064_Q-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/e ² (mm):	
4 - 6	
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):	
0.2	
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 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

