![Edmund Optics | worldwide]

1064nm, 6-9mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal πShaper_1064_Q-7.5

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Focal Flat Top Beam Shaper

Stock **#12-232**   **1 In Stock**

−   1   +   **€2.815**.⁰⁰

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Volume Pricing	
Qty 1-4	**€2.815,00** each
Qty 5-10	**€2.535,00** each
Qty 11+	**€2.395,00** each
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Model Number:

πShaper_1064_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, $1/e^2$ (mm):		
6 - 9		

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

Profiles in working plane

"Doughnut"   "Inverse-Gauss"   Flat_Top