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# 1064nm, 8-12mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal $\pi$ Shaper\_1064\_Q-10

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Focal Flat Top Beam Shaper



Stock **#12-233** 1 In Stock

-

1

+

€2.830<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | €2.830,00 each                |
| Qty 5-10       | €2.545,00 each                |
| Qty 11+        | €2.410,00 each                |
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🔊 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

πShaper\_1064\_Q-10

Model Number:

Beam Shaper

Type:

|                                                   |  |
|---------------------------------------------------|--|
| 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 <sup>2</sup> (mm):       |  |
| 8 - 12                                            |  |
| Optical Properties                                |  |
| Transmission (%):                                 |  |
| >99                                               |  |
| Design Wavelength DWL (nm):                       |  |
| 1064                                              |  |
| Wavelength Range (nm):                            |  |
| 1020 - 1100                                       |  |
| Input Beam Mode:                                  |  |
| TEM <sub>00</sub>                                 |  |
| Typical Input Beam Mode Quality, M <sup>2</sup> : |  |
| <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

