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# 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

+

C\$4,914<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | C\$4,914.00 each              |
| Qty 5-10       | C\$4,417.00 each              |
| Qty 11+        | C\$4,179.00 each              |
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Product Downloads

General

|                    |               |
|--------------------|---------------|
| πShaper_1064_Q-7.5 | Model Number: |
| Beam Shaper        | Type:         |

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| Compatible Adapter:              |                                                   |
| #12-322                          |                                                   |
| Physical & Mechanical Properties |                                                   |
|                                  |                                                   |
| 29.00                            | Length (mm):                                      |
|                                  |                                                   |
| 50                               | Weight (g):                                       |
|                                  |                                                   |
| 20                               | Clear Aperture CA (mm):                           |
|                                  |                                                   |
| 42.00                            | Diameter (mm):                                    |
|                                  |                                                   |
| 6 - 9                            | Input Beam Diameter, 1/e <sup>2</sup> (mm):       |
| Optical Properties               |                                                   |
|                                  |                                                   |
| >99                              | Transmission (%):                                 |
|                                  |                                                   |
| 1064                             | Design Wavelength DWL (nm):                       |
|                                  |                                                   |
| 1020 - 1100                      | Wavelength Range (nm):                            |
|                                  |                                                   |
| TEM <sub>00</sub>                | Input Beam Mode:                                  |
|                                  |                                                   |
| <1.5                             | Typical Input Beam Mode Quality, M <sup>2</sup> : |
|                                  |                                                   |
| ±20                              | Input Beam Divergence (mrad):                     |
|                                  |                                                   |
| Electrical                       |                                                   |
|                                  |                                                   |
| 0.2                              | Maximum Input Power, CW (kW):                     |
|                                  |                                                   |
| Threading & Mounting             |                                                   |
|                                  |                                                   |
| M30 x0.75                        | Inner Thread:                                     |
|                                  |                                                   |
| M30 x0.75                        | 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 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



