

## 2050nm Flat Top Beam Shaper | πShaper 6\_6\_2.05

See More by [AdlOptica](#)



Flat Top Beam Shaper

Stock #12-242 **1 In Stock**

⊖ 1 ⊕ ₹5,75,100

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | ₹5,75,100 each                |
| Qty 5-10       | ₹5,17,500 each                |
| Qty 11+        | ₹4,88,700 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

### SPECIFICATIONS

#### General

Model Number:

πShaper 6\_6\_2.05

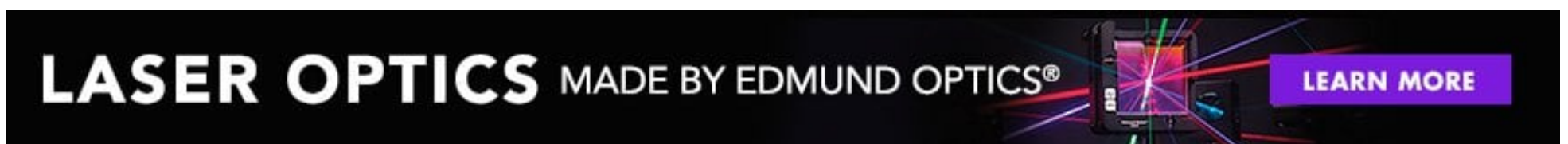
|   |   |
|---|---|
| Beam Shaper                                 | Type:   |
| Flat Top                                    | Style:  |
| <b>Physical &amp; Mechanical Properties</b> |   |
| 39.00                                       | Diameter (mm):  |
| 143.00                                      | Length (mm):  |
| <270  | Weight (g):   |
| <b>Optical Properties</b>                   |   |
| 2050  | Design Wavelength DWL (nm):                           |
| 6.4 - 6.5                                   | Entrance Beam Diameter, 1/e <sup>2</sup> (mm):        |
| 1900 - 2160                                 | Wavelength Range (nm):                                |
| 50 mJ/cm <sup>2</sup> @ 5ns (typical)       | Damage Threshold, By Design: <input type="checkbox"/> |
| 6.4   | Output Diameter, FWHM (mm):                           |
| 50 mJ/cm <sup>2</sup> @ 5ns (typical)       | Damage Threshold, Pulsed:                             |
| <b>Threading &amp; Mounting</b>             |   |
| M27 x 1                                     | Mounting Threads:                                     |
| <b>Regulatory Compliance</b>                |   |
| <a href="#">Compliant</a>                   | RoHS 2015:  |
| <a href="#">View</a>                        | Certificate of Conformance:                           |
| <a href="#">Compliant</a>                   | Reach 250:  |

## PRODUCT DETAILS

- Convert Gaussian Beam Profile to Flat Top Profile
- Near 100% Efficiency
- No Internal Focusing Enables High Power Laser Input
- [AdiOptica Focal- \$\pi\$ Shaper Q Flat Top Beam Shapers](#) Also Available

AdiOptica  $\pi$ Shaper (piShaper) Flat Top Beam Shapers are refractive field mapping optical systems that convert collimated Gaussian input beams into collimated flat top beams with a uniform intensity distribution and flat phase front. Due to the field mapping optical design, the even intensity distribution of the converted beam is stable over great distances making it ideally suitable for holography, microscopy, and system integration. With no internal focusing, they are also the perfect solution in applications such as material micromachining, welding, and engraving that require high power lasers. These AdiOptica  $\pi$ Shaper Flat Top Beam Shapers are offered in common YAG, fiber laser, and CO2 laser sources, operating over a defined wavelength range for laser tuning. Achromatic versions are designed to be used with multiple laser sources.

**Note:** Focusing a flat-top beam after a  $\pi$ Shaper results in loss of the flat top profile. [AdiOptica Focal- \$\pi\$ Shaper Q Flat Top Beam Shapers](#) are available for applications that require a focused flat top spot.



## TECHNICAL INFORMATION

Example of beam shaping for TEM<sub>00</sub> Laser

