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2050nm Flat Top Beam Shaper | πShaper 6_6_2.05

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Flat Top Beam Shaper

Stock **#12-242** [CONTACT US](#)

⊖ 1 ⊕ MRP ₹6,94,927

1 Price inclusive of all taxes

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Volume Pricing	
Qty 1-4	₹6,94,927 each
Qty 5-10	₹6,25,147 each
Qty 11+	₹5,90,735 each
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General

πShaper 6_6_2.05 **Model Number:**

Beam Shaper **Type:**

Flat Top **Style:**

Physical & Mechanical Properties

Length (mm):

143.00

Weight (g):

<270

Diameter (mm):

39.00

Optical Properties

Entrance Beam Diameter, $1/e^2$ (mm):

6.4 - 6.5

Design Wavelength DWL (nm):

2050

Wavelength Range (nm):

1900 - 2160

Damage Threshold, By Design:

50 mJ/cm² @ 5ns (typical)

Output Diameter, FWHM (mm):

6.4

Damage Threshold, Pulsed:

50 mJ/cm² @ 5ns (typical)

Threading & Mounting

Mounting Threads:

M27 x 1

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 250:

Compliant

Country of Origin:

Germany

Imported By:

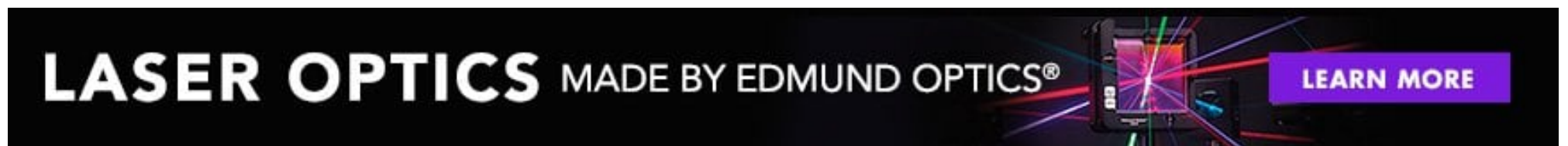
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Product Details

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

AdlOptica π Shaper (π Shaper) 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, system integration and ultrafast applications. 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 AdlOptica π 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 π Shaper results in loss of the flat top profile. [AdlOptica 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 TEM₀₀ Laser

