1064nm Flat Top Beam Shaper | πShaper 12_12_1064_HP

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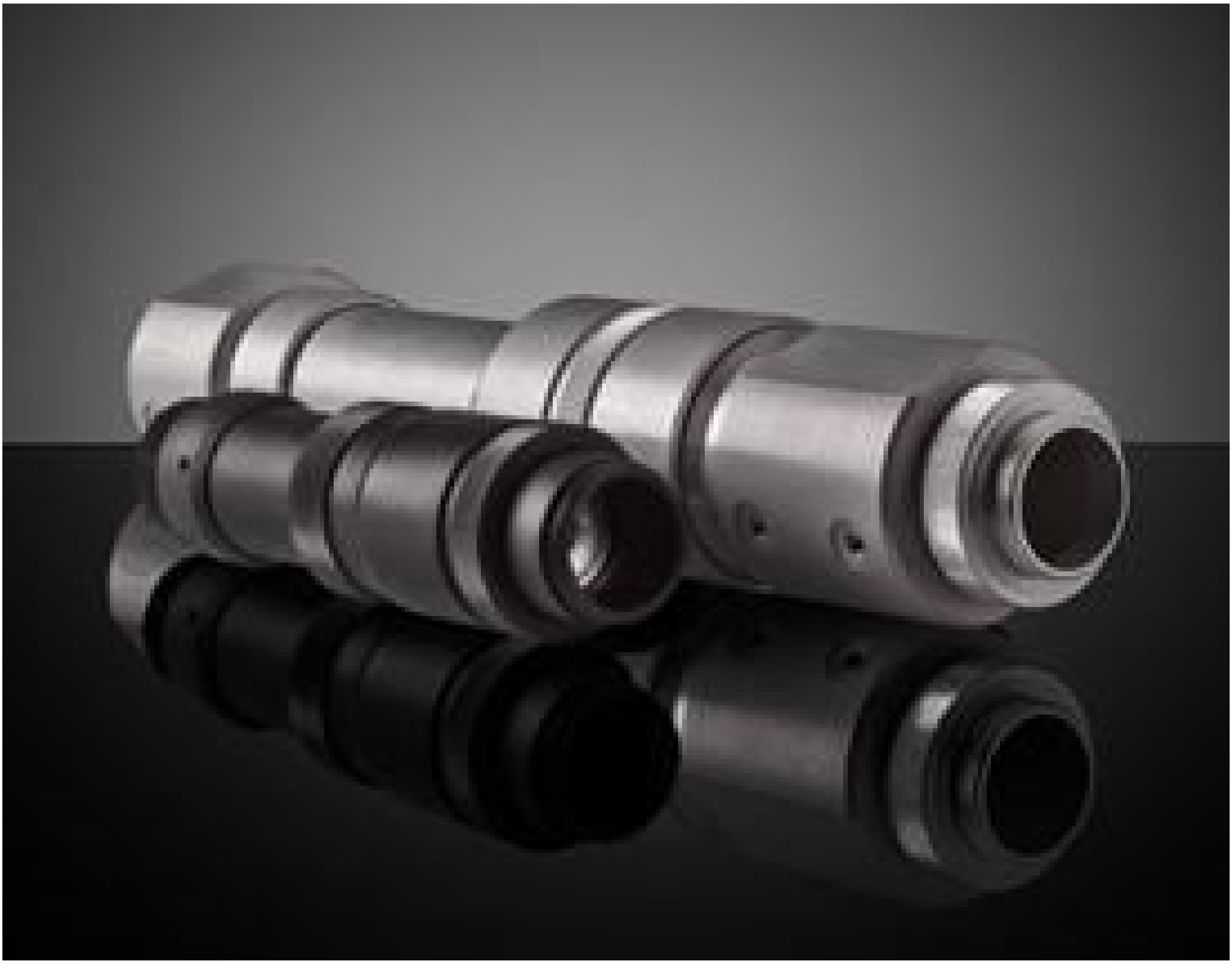

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- 1 + £7,028.00

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Qty 1-4	**£7,028.00** each
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Qty 11+	**£5,969.00** each
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SPECIFICATIONS

General

Model Number:

πShaper 12_12_1064_HP

Type:
Beam Shaper

Style:
Flat Top

Physical & Mechanical Properties

Diameter (mm):
42.00

Length (mm):
358.00

Weight (g):
<530

Optical Properties

Design Wavelength DWL (nm):
1064

Entrance Beam Diameter, 1/e^2 (mm):
12.0 - 12.1

Wavelength Range (nm):
1020 - 1100

Damage Threshold, By Design:
3 J/cm^2 @ 5ns (typical)

Output Diameter, FWHM (mm):
12.0

Damage Threshold, Pulsed:
3 J/cm^2 @ 5ns (typical)

Threading & Mounting

Mounting Threads:
M27 x 1

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 250:
Compliant

PRODUCT DETAILS

- Convert Gaussian Beam Profile to Flat Top Profile
- Near 100% Efficiency
- No Internal Focusing Enables High Power Laser Input
- **AdlOptica Focal-πShaper Q Flat Top Beam Shapers** Also Available

AdlOptica πShaper (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 AdlOptica πShaper 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 πShaper results in loss of the flat top profile. **AdlOptica Focal-πShaper Q Flat Top Beam Shapers** are available for applications that require a focused flat top spot.

TECHNICAL INFORMATION

Example of beam shaping for TEM_{00} Laser