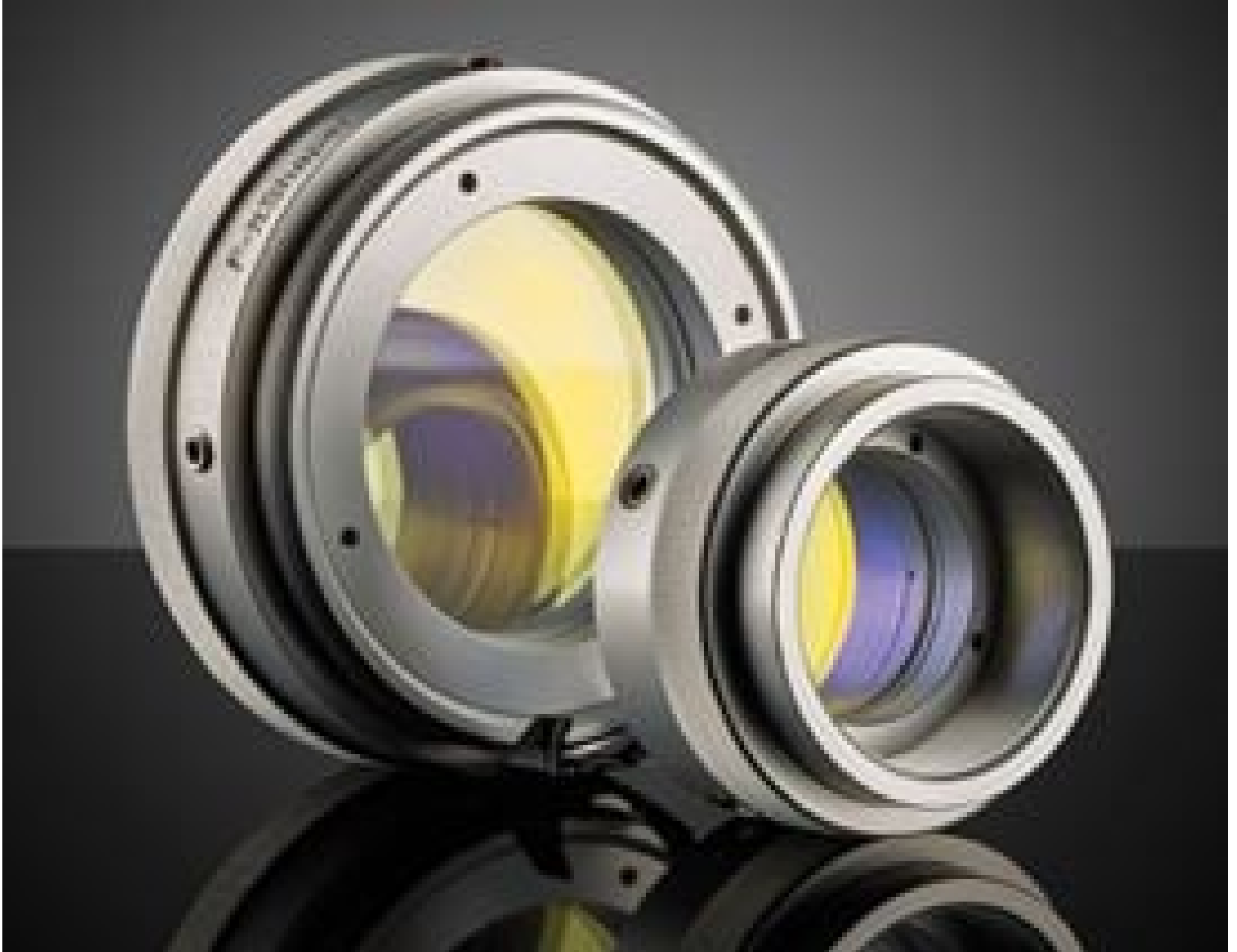


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750 - 900nm (Ti:Sapphire), 8-12mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal- π Shaper_TiS_Q-10

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Stock **#25-851** **1 In Stock**

1 C\$4,914.⁰⁰

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Product Downloads

General

Focal- π Shaper_TiS_Q-10
Model Number:
Beam Shaper
Type:

#12-322

Compatible Adapter:

Physical & Mechanical Properties

| | |
|-------|------------------------------------|
| 29.00 | Length (mm): |
| 50 | Weight (g): |
| 20 | Clear Aperture CA (mm): |
| 42.00 | Diameter (mm): |
| 6 - 9 | Input Beam Diameter, $1/e^2$ (mm): |

Optical Properties

| | |
|-------------------|---|
| >99 | Transmission (%): |
| 750, 900 | Design Wavelength DWL (nm): |
| 750 - 900 | Wavelength Range (nm): |
| TEM ₀₀ | Input Beam Mode: |
| <1.5 | Typical Input Beam Mode Quality, M ² : |
| ±20 | Input Beam Divergence (mrad): |

Electrical

| | |
|-----|-------------------------------|
| 0.2 | Maximum Input Power, CW (kW): |
|-----|-------------------------------|

Threading & Mounting

| | |
|------------|---------------|
| M30 x 0.75 | Inner Thread: |
| M30 x 0.75 | 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 piShaper Flat Top Beam Shapers](#) Also Available

AdlOptica Focal- π Shaper (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- π Shapers 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

