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# 1070nm, 8-12mm Dia. Input Beam, HP Sapphire Focal Flat Top Beam Shaper | Focal $\pi$ Shaper\_1070\_Q-10\_HP

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Stock #17-593 **1 In Stock**

- 1 + £3,399<sup>00</sup>

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#### Volume Pricing

Qty 1-4	£3,399.00 each
Qty 5-10	£3,064.00 each
Qty 11+	£2,895.00 each
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#### Product Downloads

#### General

Model Number:

$\pi$ Shaper\_1070\_Q-10\_HP

Beam Shaper (Sapphire)	Type:
<a href="#">#12-322</a>	Compatible Adapter:
<b>Physical &amp; Mechanical Properties</b>	
29.00	Length (mm):
50	Weight (g):
10	Clear Aperture CA (mm):
42.00	Diameter (mm):
8 - 12	Input Beam Diameter, 1/e <sup>2</sup> (mm):
<b>Optical Properties</b>	
>99	Transmission (%):
1070	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):
<b>Electrical</b>	
3	Maximum Input Power, CW (kW):
<b>Threading &amp; Mounting</b>	
M30 x 0.75	Inner Thread:
M30 x 0.75	Outer Thread:
<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

- 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

