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1070nm, 8-12mm Dia. Input Beam, HP Sapphire Focal Flat Top Beam Shaper | Focal π Shaper_1070_Q-10_HP

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

⊖ 1 ⊕ MRP ₹4,51,198

● Price inclusive of all taxes

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Qty 1-4	₹4,51,198 each
Qty 5-10	₹4,06,747 each
Qty 11+	₹3,84,282 each
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General

Model Number:
πShaper_1070_Q-10_HP

Type:

Compatible Adapter:
#12-322

Physical & Mechanical Properties

Length (mm):
29.00

Weight (g):
50

Clear Aperture CA (mm):
10

Diameter (mm):
42.00

Input Beam Diameter, $1/e^2$ (mm):
8 - 12

Optical Properties

Transmission (%):
>99

Design Wavelength DWL (nm):
1070

Wavelength Range (nm):
1020 - 1100

Input Beam Mode:
TEM₀₀

Typical Input Beam Mode Quality, M²:
<1.5

Input Beam Divergence (mrad):
±20

Electrical

Maximum Input Power, CW (kW):
3

Threading & Mounting

Inner Thread:
M30 x 0.75

Outer Thread:
M30 x 0.75

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 250:
[Compliant](#)

Country of Origin:
Germany

Imported By:
Edmund Optics India Private Limited
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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

