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1070nm, 18-23mm Dia. Input Beam, HP Sapphire Focal Flat Top Beam Shaper | Focal π Shaper_1070_Q-20_HP

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1

+

€3.910⁰⁰

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Volume Pricing	
Qty 1-4	€3.910,00 each
Qty 5-10	€3.520,00 each
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Product Downloads

General

π Shaper_1070_Q-20_HP

Model Number:

Beam Shaper (Sapphire)	Type:
#12-322	Compatible Adapter:
Physical & Mechanical Properties	
21.00	Length (mm):
70	Weight (g):
38	Clear Aperture CA (mm):
64.00	Diameter (mm):
18 - 23	Input Beam Diameter, 1/e ² (mm):
Optical Properties	
>99	Transmission (%):
1070	Design Wavelength DWL (nm):
1020 - 1100	Wavelength Range (nm):
TEM ₀₀	Input Beam Mode:
<1.5	Typical Input Beam Mode Quality, M ² :
±20	Input Beam Divergence (mrad):
Electrical	
5	Maximum Input Power, CW (kW):
Threading & Mounting	
M58 x 1	Inner Thread:
M58 x 1	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 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

