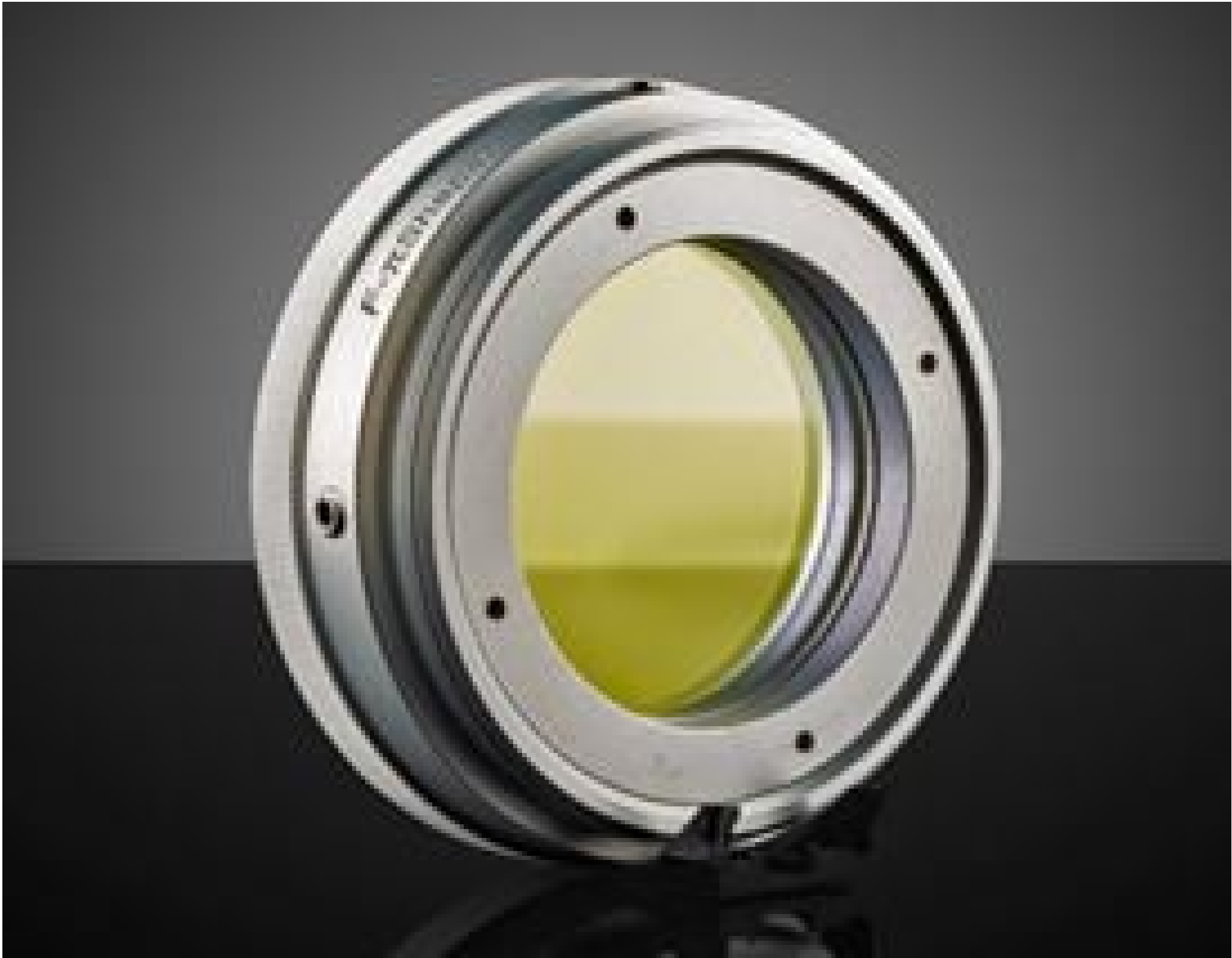


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1064nm, 15-20mm Dia. Input Beam, Focal Flat Top Beam Shaper | Focal πShaper_1064_Q-17

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Focal Flat Top Beam Shaper



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General

Model Number:

πShaper_1064_Q-17

Type:

Beam Shaper	
Compatible Adapter: #12-323	
Physical & Mechanical Properties	
Length (mm): 21.00	
Weight (g): 70	
Clear Aperture CA (mm): 38	
Diameter (mm): 64.00	
Input Beam Diameter, 1/e ² (mm): 15 - 20	
Optical Properties	
Transmission (%): >99	
Design Wavelength DWL (nm): 1064	
Wavelength Range (nm): 1020 - 1100	
Input Beam Mode: TEM ₀₀	
Typical Input Beam Mode Quality, M ² : <1.5	
Input Beam Divergence (mrad): ±20	
Electrical	
Maximum Input Power, CW (kW): 0.4	
Threading & Mounting	
Inner Thread: M58 x 1	
Outer Thread: M58 x 1	
Regulatory Compliance	
RoHS 2015: Compliant	
Certificate of Conformance: View	
Reach 250: Compliant	

Product Details

- Shapes Gaussian Beams to AiryDisk Profile
 - AiryDisk 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

