

Near diffraction-limited flat-top beam shaping elements

Item Number: TH-RD-50-18-183urad-1070

Input parameters

Wavelength:	1070 nm
Diameter of input spot:	18 mm
Laser mode:	Single-mode
Collimation required or not:	This product was design for collimated incident beam.
Element position	The element should be placed at the plane of beam waist.

Element Parameters

Transimmissive or reflective:	Transimmissive
Material:	Fused silica
Dimension:	Φ50.8 mm
Thickness:	1 mm
Laser mode:	Single mode
Coated or not:	No

Output parameters

Output shape:	Round
Full angle:	183 urad
Working distance and output beam size	The working distance is equal to the focal length. The output beam size is the product of working distance and full diffractive angle.
Nonuniformity error:	

Focusing lens required or not

Focusing lens required or not	Yes
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