

Near diffraction-limited flat-top beam shaping elements

Item Number: TH-REC-5p1-200x200urad-355

Input parameters

Wavelength:	355 nm
Required beam diameter:	5.1 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:	Transmmissive
Material:	Fused silica
Dimension:	20 x 20 mm or $\Phi 25.4$ mm
Thickness:	2 mm
Coated or not:	Optional

Output parameters

Output shape:	Rectangular / Square
Full diffractive angle:	200 x 200 urad
Transition angle:	22 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.
Efficiency:	~ 95%
Nonuniformity error:	~ 3%

Focusing lens required or not

Focusing lens required or not	Yes
-------------------------------	-----