

## Near diffraction-limited flat-top beam shaping elements

Item Number: TH-REC-367x367urad-355

Input parameters	
Wavelength:	355 nm
Required beam diameter:	6 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:	Round
Full diffractive angle:	367 x 367 urad
Ratio of transition angle to full angle:	~ 10 %
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