

Near diffraction-limited flat-top beam shaping elements

Item Number: TH-REC-5p6-270x270urad-532

Input parameters

Wavelength:	532 nm
Required beam diameter:	5.6 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 Φ 25.4 mm
Thickness:	2 mm
Coated or not:	Optional

Output parameters

Output shape:	Rectangular / Square
Full diffractive angle:	270 x 270 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
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