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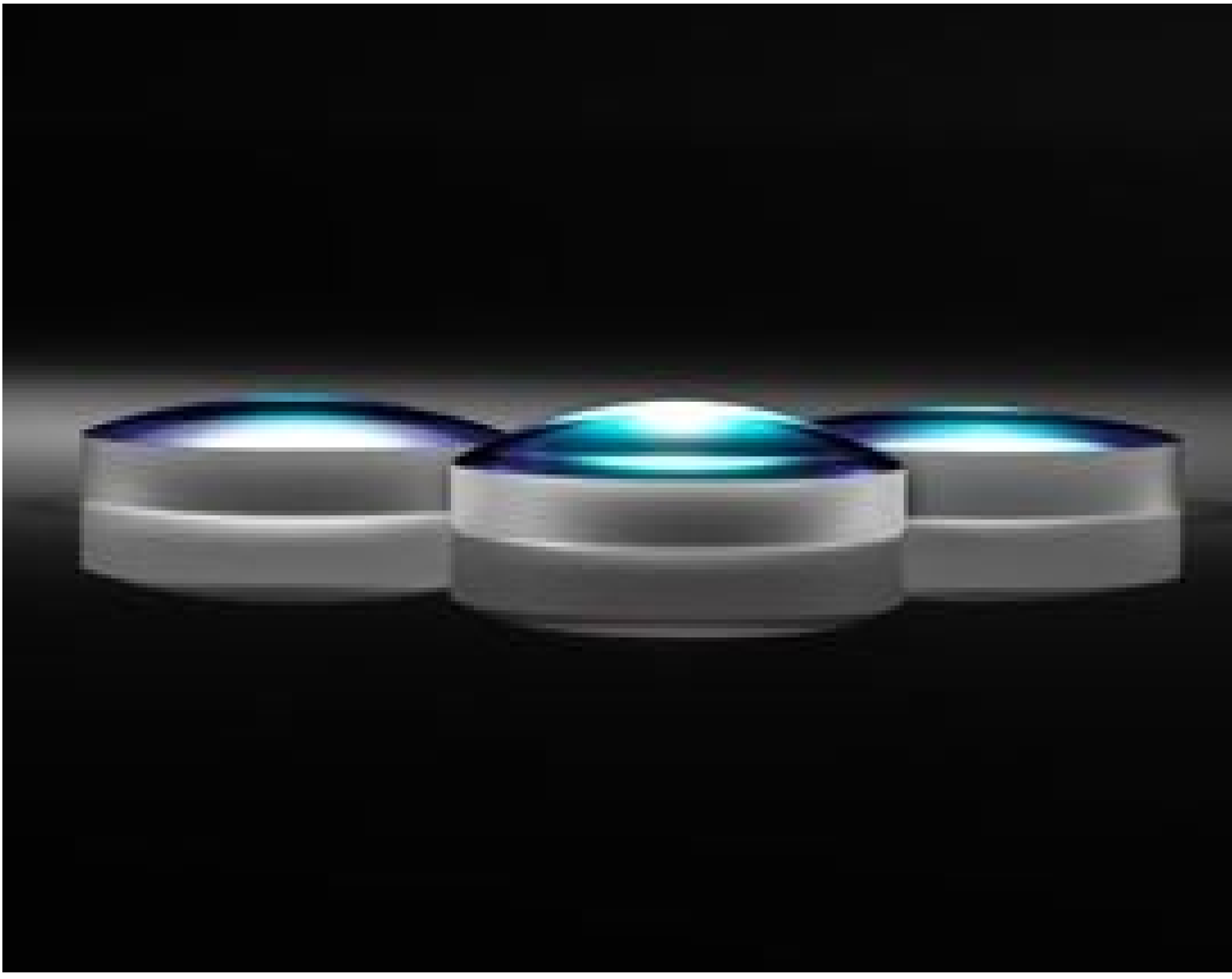
TECHSPEC® 25mm Dia. x 50mm EFL, Uncoated, Precision Laser Aspheric Lens



Stock **#24-068** **20+ In Stock**

- 1 + **€633**.00

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Volume Pricing	
Qty 1-5	**€633,00** each
Qty 6-25	**€540,00** each
Qty 26-49	**€477,00** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

Physical & Mechanical Properties

Diameter (mm):
25.00 +0.000 / -0.025

Clear Aperture CA (mm):
22.5

Edge Thickness ET (mm):
3.82

Center Thickness CT (mm):

7.20 +0.000 / -0.10

Bevel:

Protective as needed

Shape of Back Surface:

Plano

Optical Properties

Effective Focal Length EFL (mm):

50.00 @ 355nm

Numerical Aperture NA:

0.25

Back Focal Length BFL (mm):

45.1

Substrate:

Fused Silica

Asphere Figure Error, RMS @ 632.8nm:

λ/2 RMS and 2.5λ PV

Coating:

Uncoated

Surface Quality:

20-10

f/#:

2

Design Wavelength DWL (nm):

355

Wavelength Range (nm):

200 - 2200

Conjugate Distance:

Infinite

Slope Error Aspheric Side:

0.35µm/mm per 1mm Window

Beam Deviation @ 587.6nm (arcmin):

<2.5

Power (diopters):

20.00

Regulatory Compliance

Certificate of Conformance:

View

Product Details

- Diffraction Limited at Designed Nd:YAG Laser Wavelengths
- Laser Damage Designed Coatings on UV Fused Silica Substrates
- Specified Slope Error to Guarantee Low Mid-Spatial Frequency Errors
- **High Precision Laser Grade Aspheric Lenses** are also Available

TECHSPEC® Precision Laser Aspheric Lenses are designed to maximize performance in high power laser applications. Featuring diffraction limited performance at their designed wavelengths these aspheric lenses are available with high laser damage threshold coatings optimized at the most common Nd:YAG laser wavelengths. With a λ/2 aspheric surface figure and 0.35µm/mm slope error, TECHSPEC® Precision Laser Aspheric Lenses minimize the mid-spatial frequency (MSF) errors and are ideal for integration into demanding laser processing, cutting, and additive manufacturing applications. Featuring UV fused silica substrates, these aspheres are highly durable and resistant to thermal expansion.

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