

TECHSPEC[®] 25mm Dia. x 50mm EFL, 355nm V-Coat, Precision Laser Aspheric Lens



Stock **#23-867** 1 In Stock

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1

+

S\$970^{.20}

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Volume Pricing	
Qty 1-5	S\$970.20 each
Qty 6-25	S\$824.60 each
Qty 26-49	S\$726.60 each
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SPECIFICATIONS

Physical & Mechanical Properties

25.00 +0.000 / -0.025

Diameter (mm):

22.5

Clear Aperture CA (mm):

3.82	Edge Thickness ET (mm):
7.20 +0.000 / -0.10	Center Thickness CT (mm):
Protective as needed	Bevel:
Plano	Shape of Back Surface:
Optical Properties	
50.00 @ 355nm	Effective Focal Length EFL (mm):
0.25	Numerical Aperture NA:
45.1	Back Focal Length BFL (mm):
Fused Silica	Substrate:
$\lambda/2$ RMS and 2.5 λ PV	Asphere Figure Error, RMS @ 632.8nm:
355 V-Coat	Coating:
R _{abs} <0.25% @ 355nm @ 0° AOI	Coating Specification:
20-10	Surface Quality:
2	f/#:
Infinite	Conjugate Distance:
7.5 J/cm ² @ 355nm, 20ns, 20Hz	Damage Threshold, By Design:
0.35 μ m/mm per 1mm Window	Slope Error Aspheric Side:
<2.5	Beam Deviation @ 587.6nm (arcmin):
20.00	Power (diopters):

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

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 $\lambda/2$ aspheric surface figure and 0.35 μ m/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.